

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060098.D
 Acq On : 24 Aug 2018 14:24
 Operator : VA/AP
 Sample : VF0824SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

Manual Integrations
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Quant Time: Aug 25 04:28:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	157962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	241125	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	267458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	166125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	114826	53.11	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.22%	
35) Dibromofluoromethane	4.29	113	113086	59.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.46%	
50) Toluene-d8	7.71	98	302349	56.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.46%	
62) 4-Bromofluorobenzene	11.51	95	170030	59.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	53349	25.65	ug/l	99
3) Chloromethane	1.07	50	39633	27.71	ug/l #	84
4) Vinyl Chloride	1.12	62	30770	23.83	ug/l	97
5) Bromomethane	1.31	94	19630	20.01	ug/l	95
6) Chloroethane	1.39	64	12568	24.69	ug/l	98
7) Trichlorofluoromethane	1.48	101	78600	30.27	ug/l	99
8) Diethyl Ether	1.70	74	8507	18.33	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.86	101	31850	23.37	ug/l	95
10) Methyl Iodide	1.93	142	34993	19.42	ug/l	97
11) Tert butyl alcohol	2.67	59	10697	93.01	ug/l #	84
12) 1,1-Dichloroethene	1.83	96	22552	22.46	ug/l	90
13) Acrolein	2.08	56	3417	69.83	ug/l	82
14) Allyl chloride	2.18	41	37339	20.94	ug/l	86
15) Acrylonitrile	3.06	53	25515	112.42	ug/l	97
16) Acetone	2.33	43	59299	104.36	ug/l	99
17) Carbon Disulfide	1.84	76	74244	23.62	ug/l	97
18) Methyl Acetate	2.45	43	21872	20.07	ug/l #	91
19) Methyl tert-butyl Ether	2.53	73	67078	20.85	ug/l	94
20) Methylene Chloride	2.28	84	23473	17.66	ug/l	87
21) trans-1,2-Dichloroethene	2.41	96	36036	32.07	ug/l	87
22) Diisopropyl ether	2.92	45	87127	21.82	ug/l	96
23) Vinyl Acetate	3.33	43	192980	91.22	ug/l	99
24) 1,1-Dichloroethane	3.00	63	71582	29.02	ug/l	98
25) 2-Butanone	4.49	43	66628	90.28	ug/l	97
26) 2,2-Dichloropropane	3.76	77	62532	24.50	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	34344	21.57	ug/l	96
28) Bromochloromethane	3.89	49	24807	23.82	ug/l	90
29) Tetrahydrofuran	4.24	42	20762	74.51	ug/l #	91
30) Chloroform	4.04	83	81676	23.59	ug/l	98
31) Cyclohexane	3.86	56	43384	23.08	ug/l #	95
32) 1,1,1-Trichloroethane	4.27	97	72103	24.32	ug/l	94
36) 1,1-Dichloropropene	4.46	75	45190	19.94	ug/l	96
37) Ethyl Acetate	4.26	43	21542	15.90	ug/l #	56
38) Carbon Tetrachloride	4.16	117	65442	24.94	ug/l	95

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Quant Time: Aug 25 04:28:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	45361	21.35	ug/l	97
40) Benzene	4.80	78	114080	23.05	ug/l	100
41) Methacrylonitrile	4.90	41	11203	16.34	ug/l #	86
42) 1,2-Dichloroethane	5.11	62	58420	22.01	ug/l	97
43) Isopropyl Acetate	7.10	43	24564	14.40	ug/l #	99
44) Trichloroethene	5.67	130	36437	22.27	ug/l	92
45) 1,2-Dichloropropane	6.40	63	30294	21.64	ug/l	96
46) Dibromomethane	6.25	93	24259	22.14	ug/l	95
47) Bromodichloromethane	6.54	83	59136	22.35	ug/l	88
48) Methyl methacrylate	6.86	41	16843	14.92	ug/l	91
49) 1,4-Dioxane	6.85	88	3607	332.91	ug/l #	81
51) 4-Methyl-2-Pentanone	8.40	43	139631	94.80	ug/l	97
52) Toluene	7.78	92	83565	23.66	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	50739	21.14	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	56898	21.24	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	27115	20.30	ug/l	94
56) Ethyl methacrylate	8.76	69	27891	17.25	ug/l	97
57) 1,3-Dichloropropane	8.99	76	45298	19.30	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	14816	115.46	ug/l	100
59) 2-Hexanone	9.62	43	116042	97.34	ug/l	93
60) Dibromochloromethane	8.86	129	40571	20.58	ug/l	97
61) 1,2-Dibromoethane	9.13	107	30850	19.67	ug/l	96
64) Tetrachloroethene	8.30	164	39353	21.84	ug/l	91
65) Chlorobenzene	9.94	112	111054	21.99	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	38250	19.97	ug/l	98
67) Ethyl Benzene	10.04	91	203999	23.41	ug/l	99
68) m/p-Xylenes	10.26	106	152907	48.81	ug/l	98
69) o-Xylene	10.83	106	76954	22.54	ug/l	98
70) Styrene	10.91	104	129771	24.77	ug/l	98
71) Bromoform	10.89	173	24712	18.49	ug/l	95
73) Isopropylbenzene	11.23	105	238515	23.85	ug/l	99
74) N-amyl acetate	11.46	43	53378	17.17	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	44654	20.45	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	32010	18.90	ug/l	95
77) Bromobenzene	11.60	156	58989	21.69	ug/l	95
78) n-propylbenzene	11.68	91	314475	25.48	ug/l	97
79) 2-Chlorotoluene	11.81	91	170691	23.52	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	209112	24.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	12714m	16.41	ug/l	
82) 4-Chlorotoluene	11.99	91	184184	23.38	ug/l	100
83) tert-Butylbenzene	12.22	119	201434	23.71	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	213806	23.08	ug/l	98
85) sec-Butylbenzene	12.38	105	281104	23.76	ug/l	98
86) p-Isopropyltoluene	12.54	119	235380	23.98	ug/l	94
87) 1,3-Dichlorobenzene	12.55	146	118060	23.48	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	112439	22.50	ug/l	99
89) n-Butylbenzene	12.92	91	246318	25.83	ug/l	95
90) Hexachloroethane	13.00	117	50887	23.07	ug/l	84
91) 1,2-Dichlorobenzene	13.02	146	107056	22.14	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	7964	17.85	ug/l	88

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Instrument :
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ClientSampleId :
VF0824SBSD01

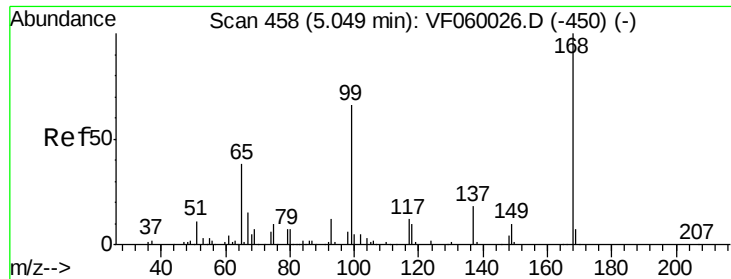
Manual Integrations
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Quant Time: Aug 25 04:28:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	74272	20.86	ug/l	96
94) Hexachlorobutadiene	14.26	225	51767	23.36	ug/l	96
95) Naphthalene	14.52	128	83317	15.15	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	65945	19.41	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

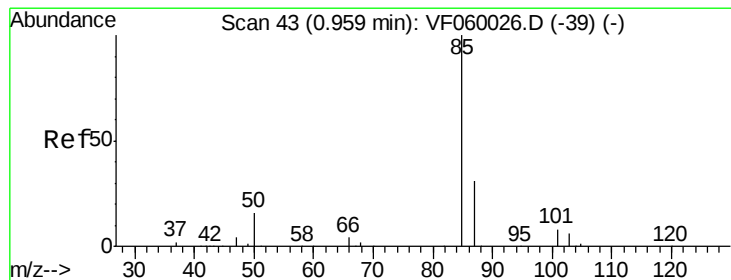
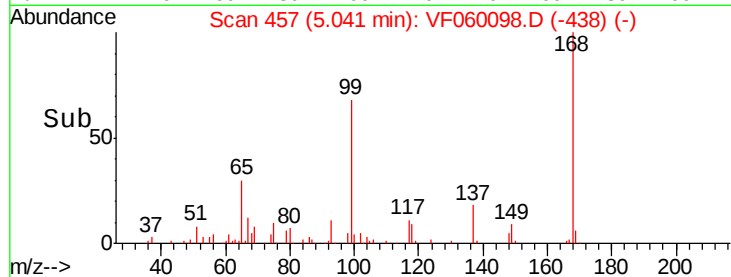
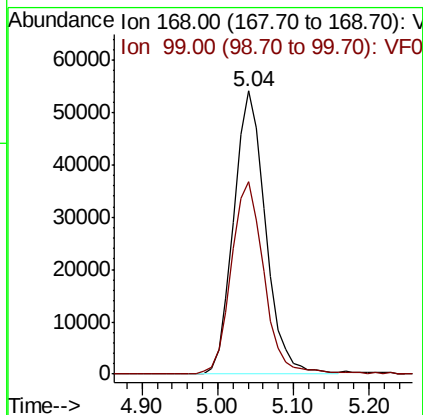
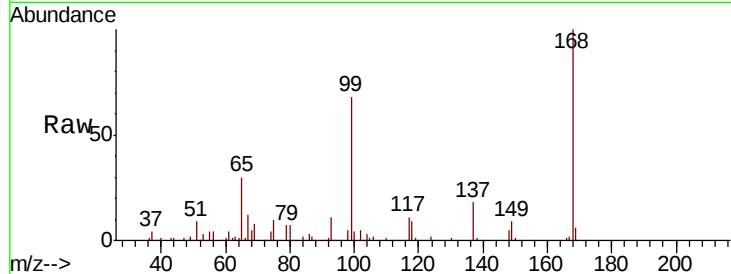
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	68.0	52.6	79.0

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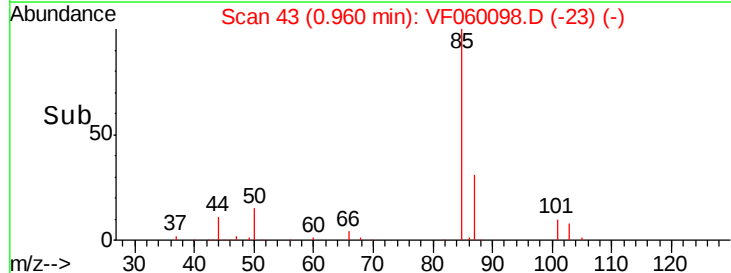
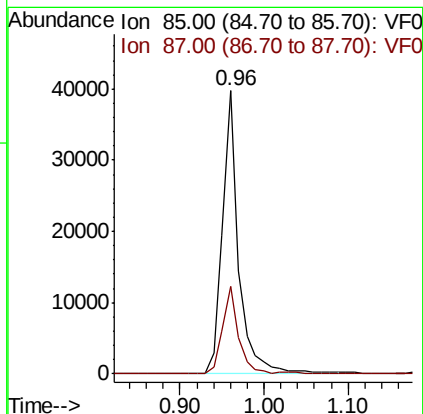
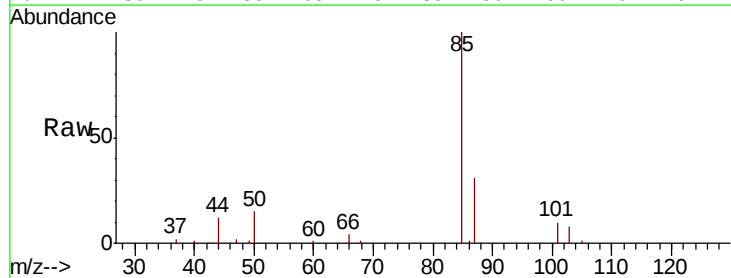
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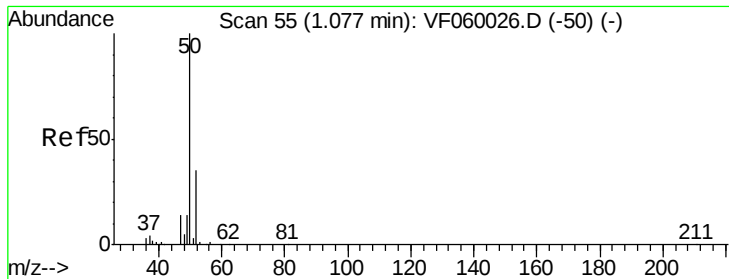


#2

Dichlorodifluoromethane
 Concen: 25.65 ug/l
 RT: 0.96 min Scan# 43
 Delta R.T. 0.00 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.0	15.3	45.9





#3

Chloromethane

Concen: 27.71 ug/l

RT: 1.07 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 50 Resp: 39633

Ion Ratio Lower Upper

50 100

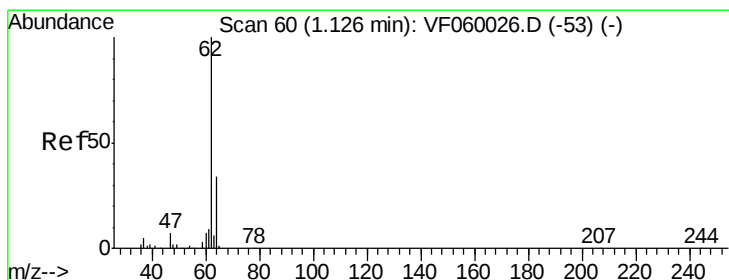
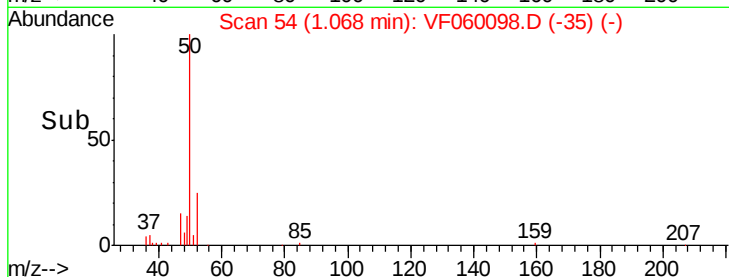
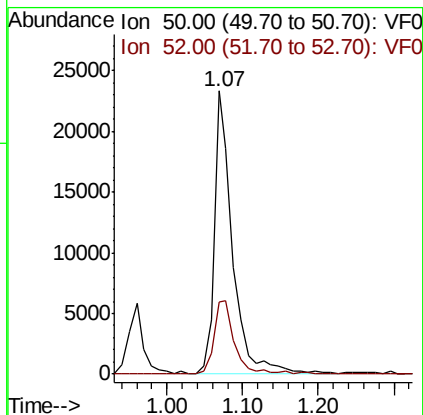
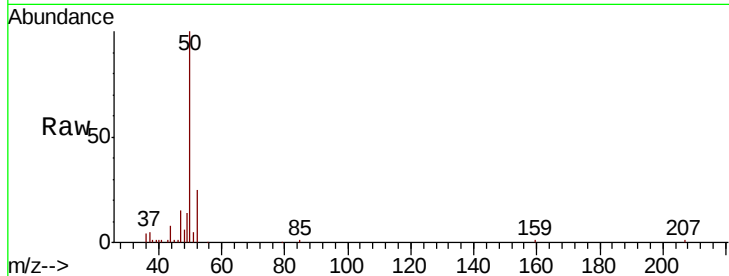
52 25.4 27.6 41.4#

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#4

Vinyl Chloride

Concen: 23.83 ug/l

RT: 1.12 min Scan# 59

Delta R.T. -0.01 min

Lab File: VF060098.D

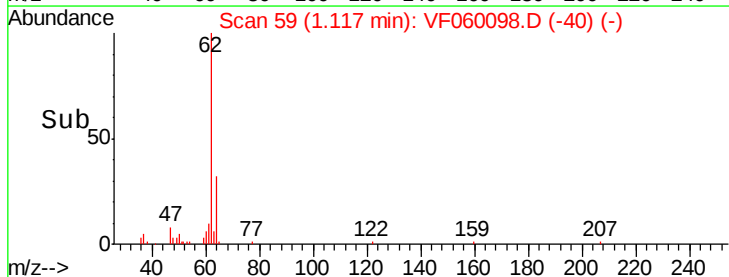
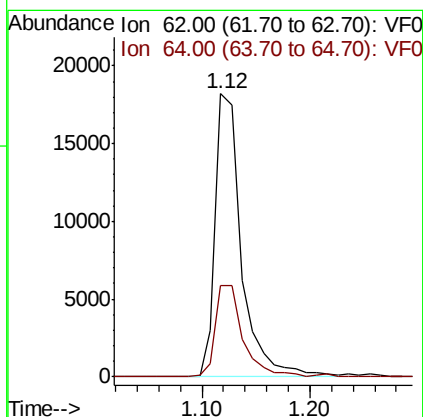
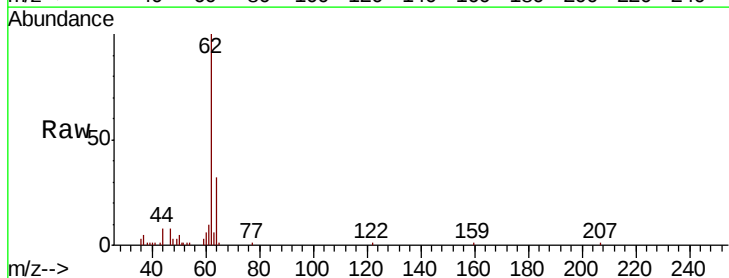
Acq: 24 Aug 2018 14:24

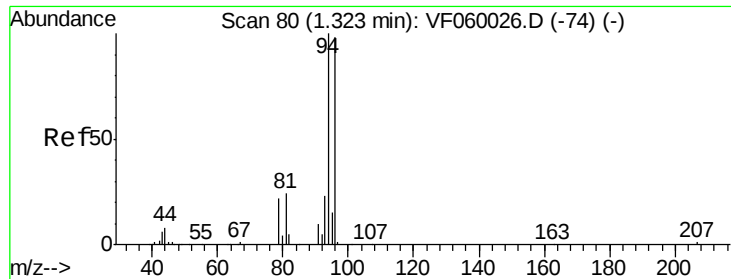
Tgt Ion: 62 Resp: 30770

Ion Ratio Lower Upper

62 100

64 32.4 27.4 41.2





#5

Bromomethane

Concen: 20.01 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 94 Resp: 19630

Ion Ratio Lower Upper

94 100

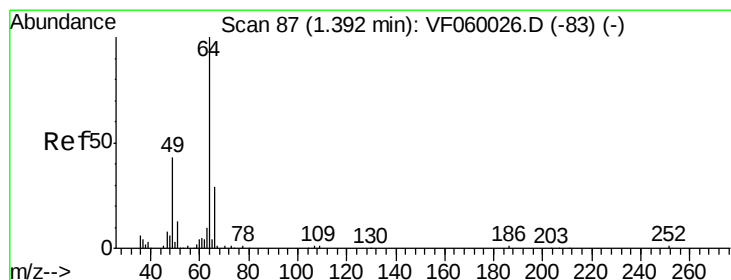
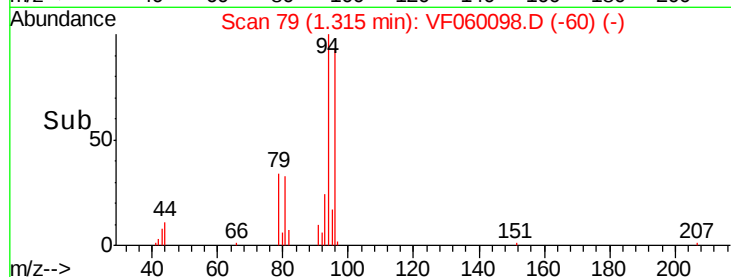
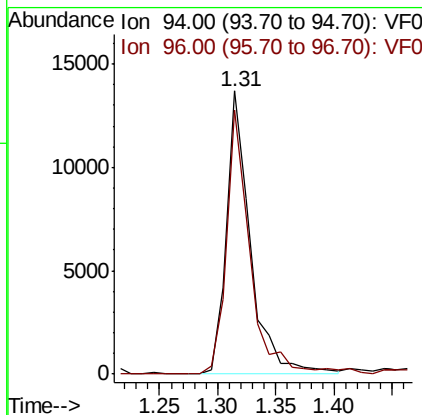
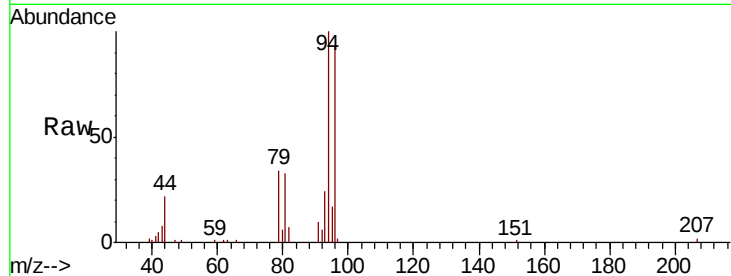
96 93.4 78.6 118.0

Manual Integrations

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#6

Chloroethane

Concen: 24.69 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060098.D

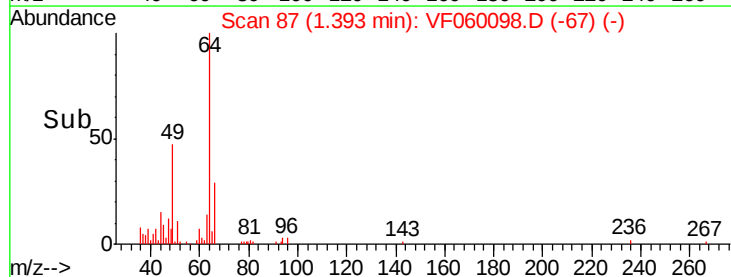
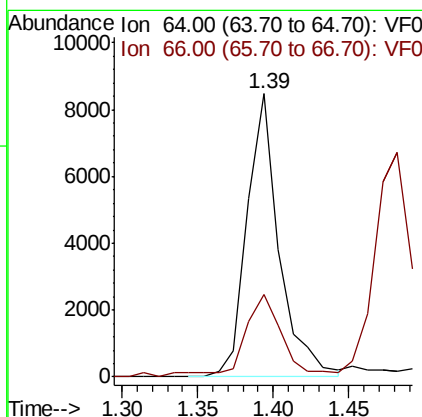
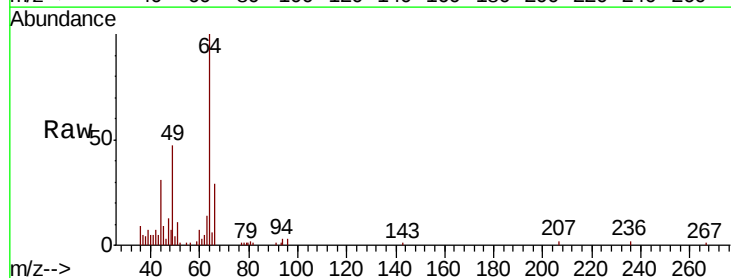
Acq: 24 Aug 2018 14:24

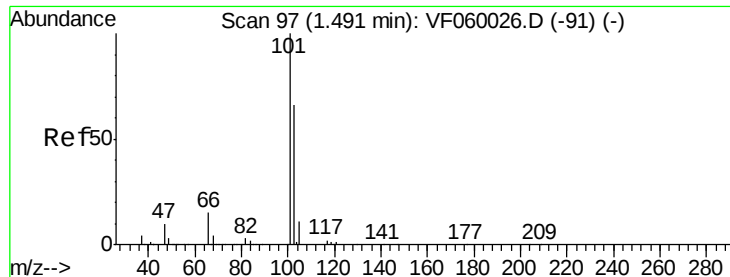
Tgt Ion: 64 Resp: 12568

Ion Ratio Lower Upper

64 100

66 29.0 24.1 36.1





#7

Trichlorofluoromethane

Concen: 30.27 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion:101 Resp: 78600

Ion Ratio Lower Upper

101 100

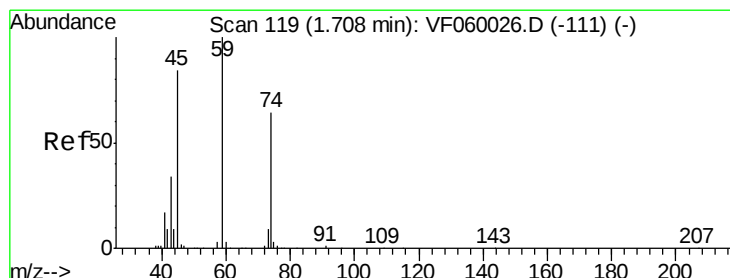
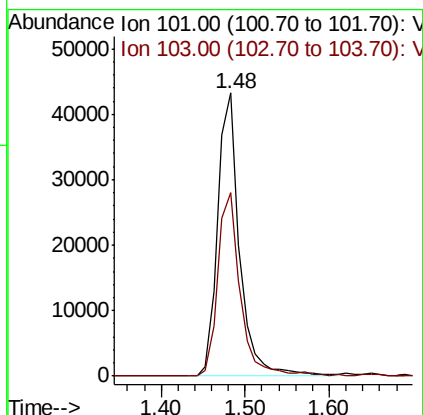
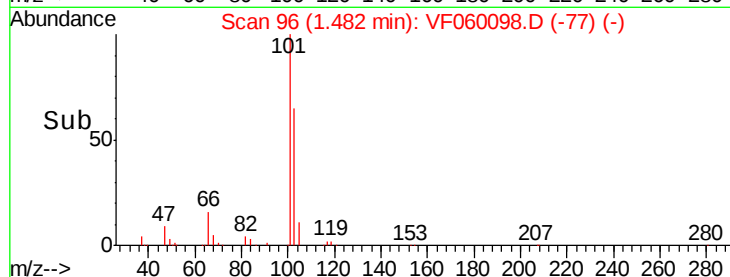
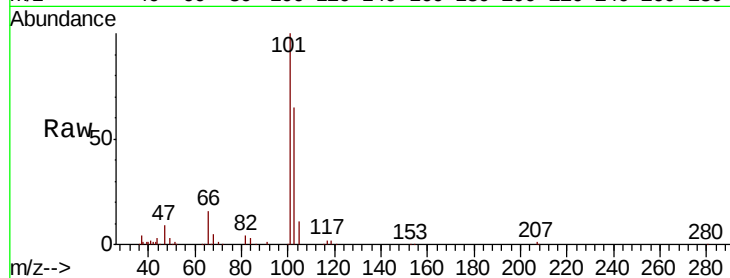
103 64.8 52.5 78.7

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#8

Diethyl Ether

Concen: 18.33 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF060098.D

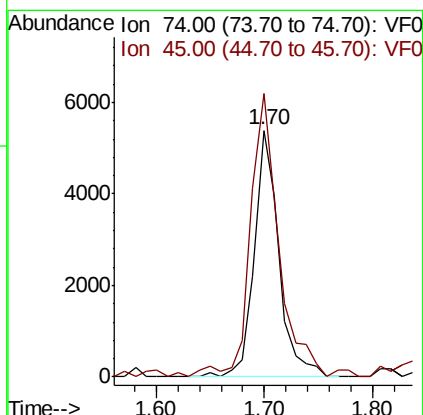
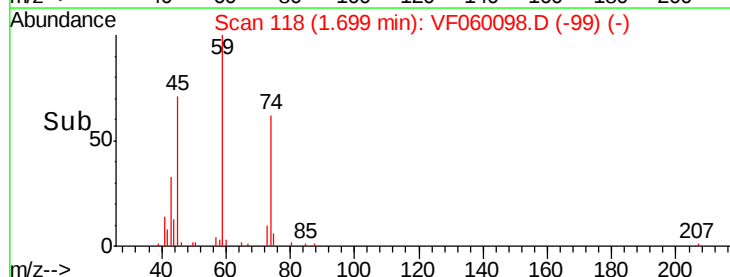
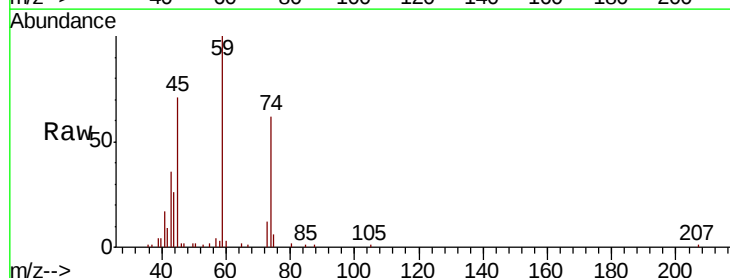
Acq: 24 Aug 2018 14:24

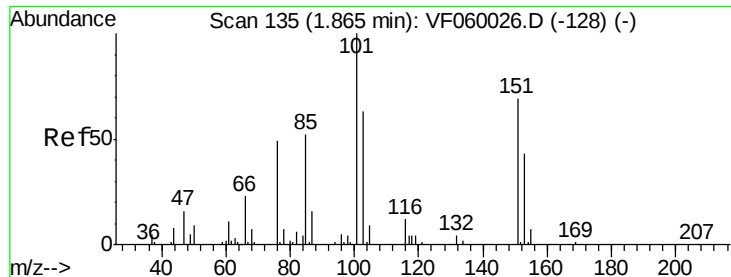
Tgt Ion: 74 Resp: 8507

Ion Ratio Lower Upper

74 100

45 114.7 66.0 198.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.37 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

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MSVOA_F

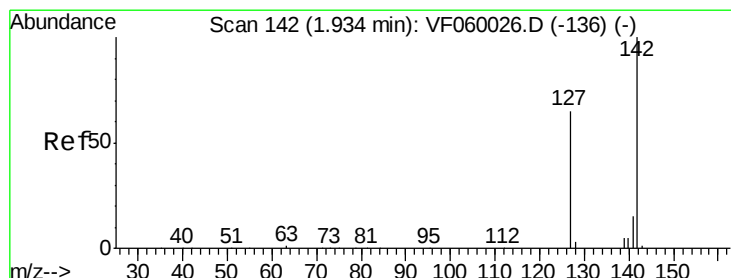
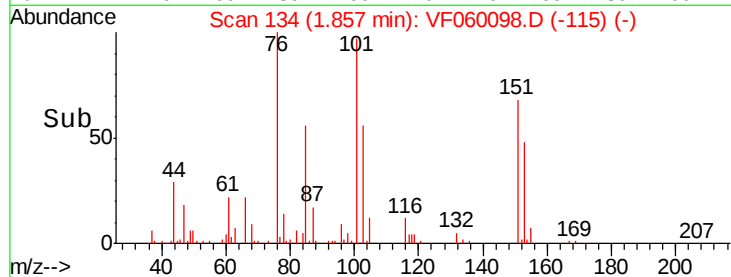
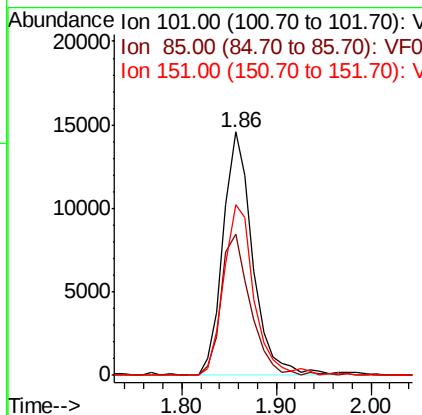
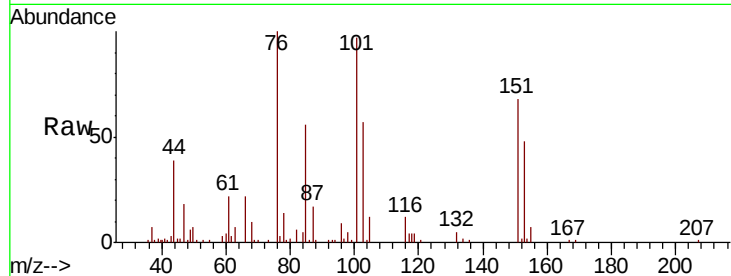
ClientSampleId :

VF0824SBS01

Tot Ion:	101	Resp:	31850
Ion Ratio	Lower	Upper	
101	100		
85	58.1	41.5	62.3
151	70.3	55.2	82.8

Manual Integrations
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#10

Methyl Iodide

Concen: 19.42 ug/l

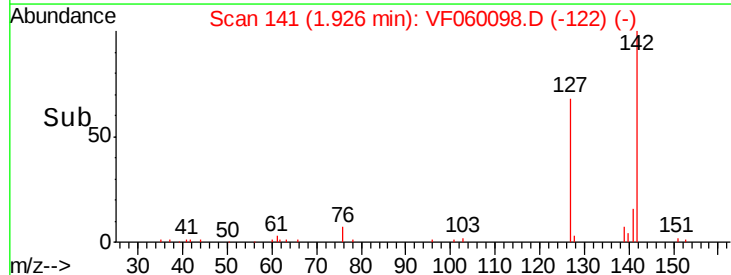
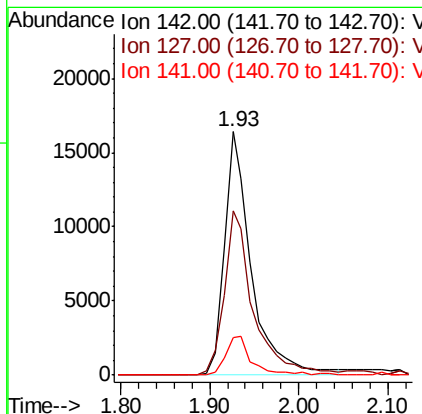
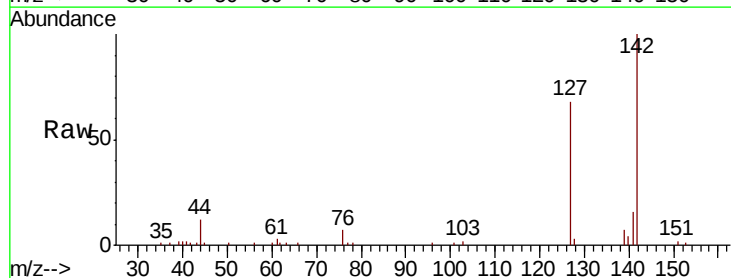
RT: 1.93 min Scan# 141

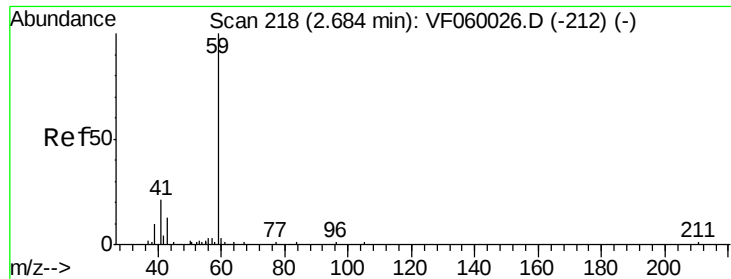
Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tgt Ion:	142	Resp:	34993
Ion Ratio	Lower	Upper	
142	100		
127	67.6	51.8	77.6
141	15.6	11.9	17.9





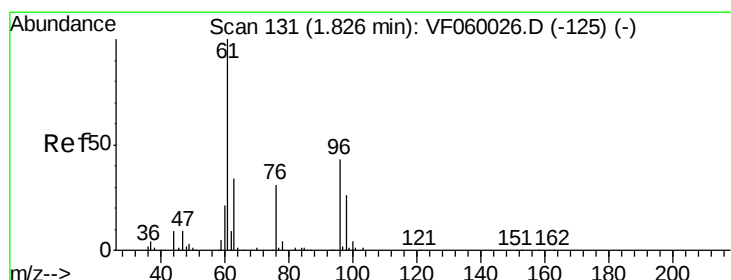
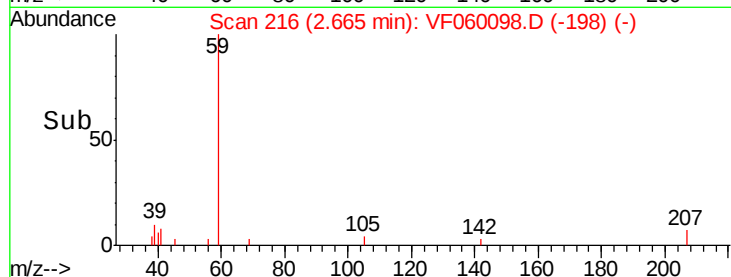
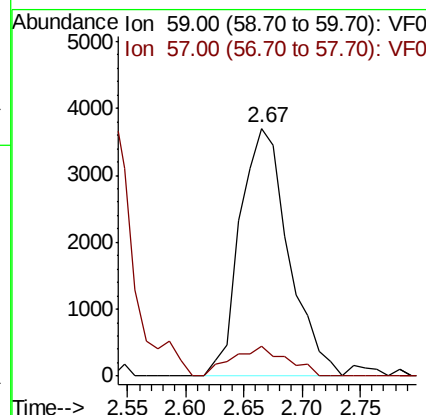
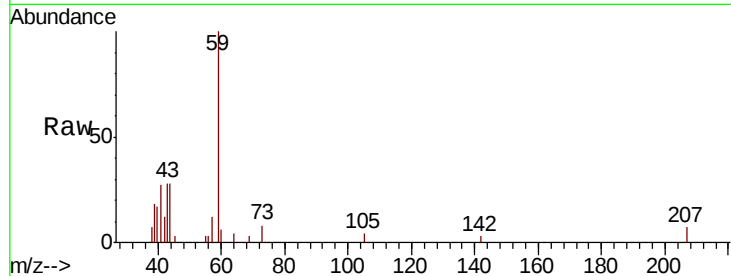
#11
Tert butyl alcohol
Concen: 93.01 ug/l
RT: 2.67 min Scan# 216
Delta R.T. -0.02 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion: 59 Resp: 10697
Ion Ratio Lower Upper
59 100
57 12.3 5.4 8.2#

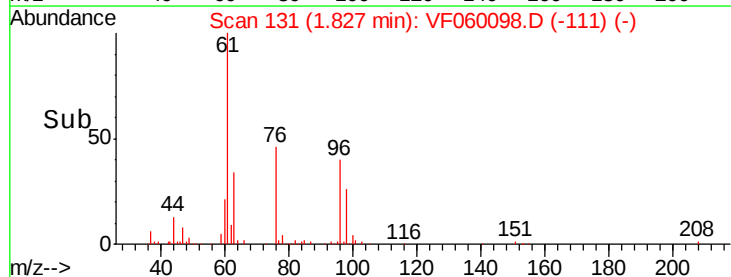
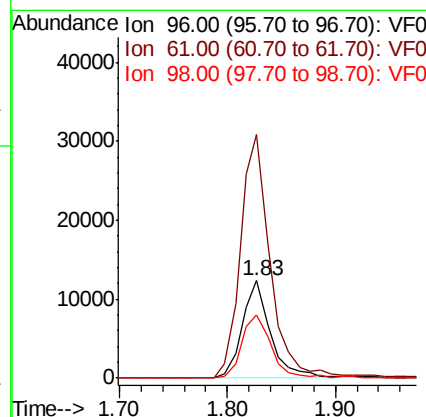
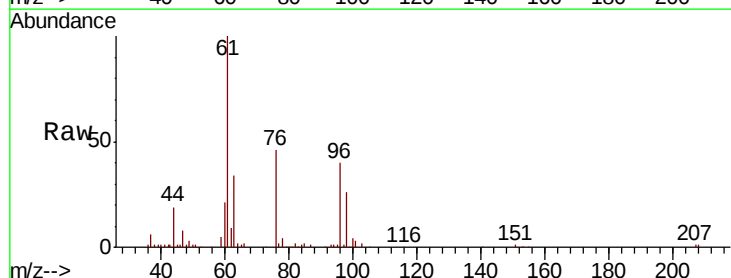
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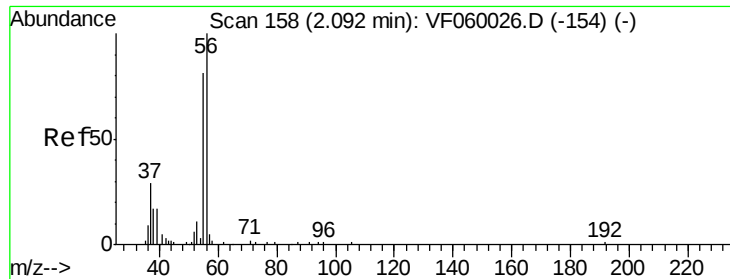
apatel
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#12
1,1-Dichloroethene
Concen: 22.46 ug/l
RT: 1.83 min Scan# 131
Delta R.T. 0.00 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion: 96 Resp: 22552
Ion Ratio Lower Upper
96 100
61 249.9 185.0 277.6
98 65.3 47.8 71.8





#13

Acrolein

Concen: 69.83 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 56 Resp: 3417

Ion Ratio Lower Upper

56 100

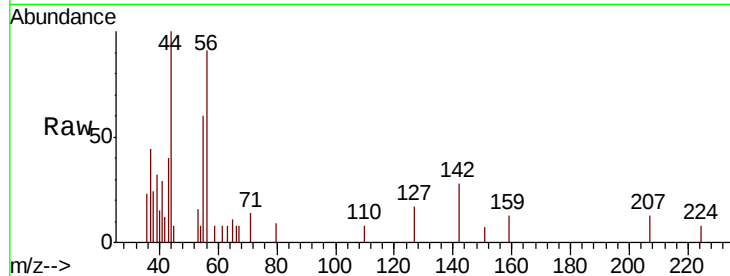
55 66.1 65.6 98.4

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1500

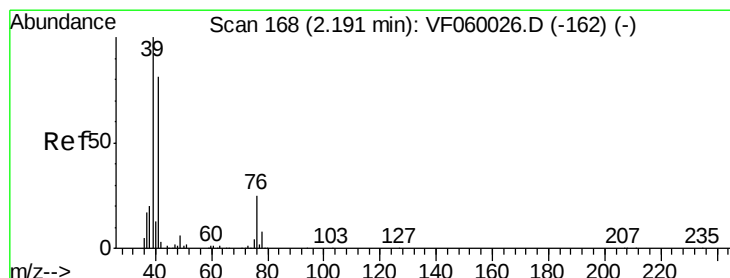
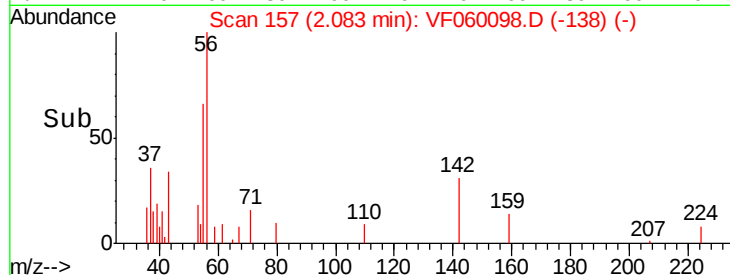
1000

500

0

2.00 2.10 2.20

Time-->



#14

Allyl chloride

Concen: 20.94 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

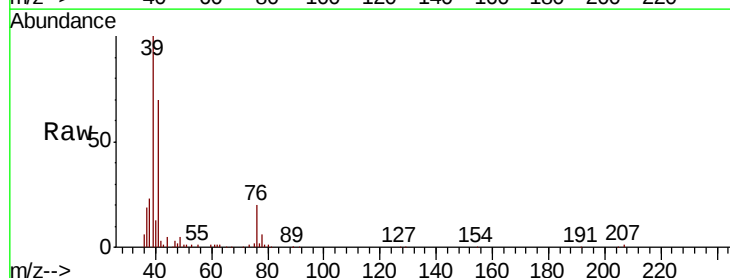
Tgt Ion: 41 Resp: 37339

Ion Ratio Lower Upper

41 100

39 142.5 99.3 148.9

76 28.1 24.3 36.5



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

30000

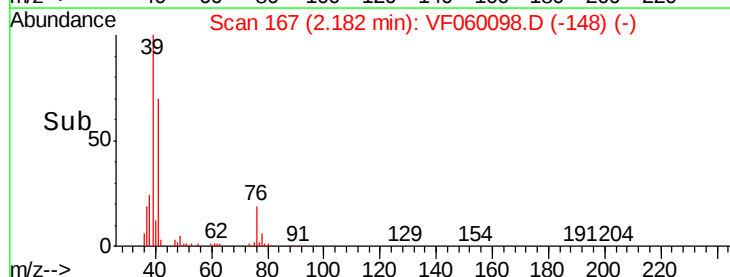
20000

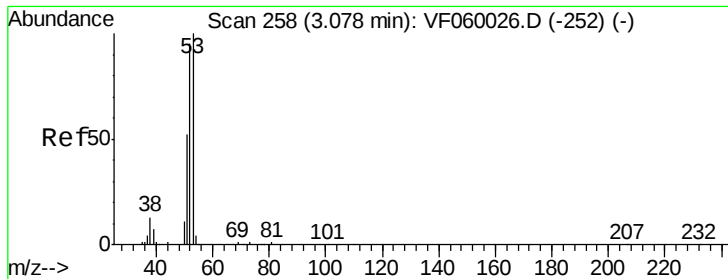
10000

0

2.10 2.15 2.20 2.25

Time-->





#15

Acrylonitrile

Concen: 112.42 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.02 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

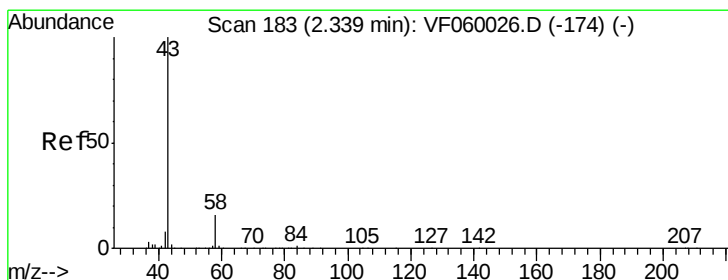
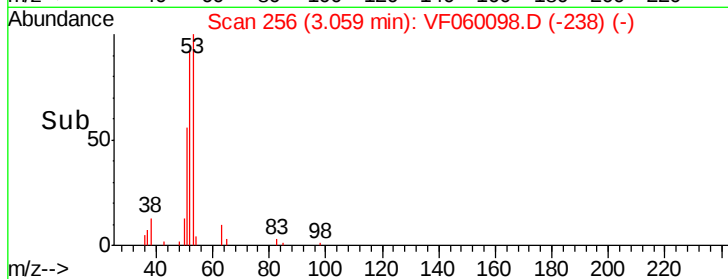
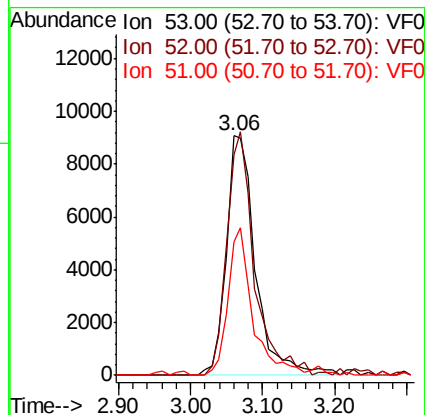
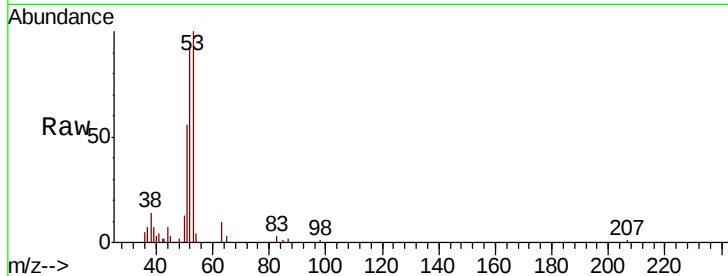
ClientSampleId :

VF0824SBS01

Tot Ion:	53	Resp:	25515
Ion	Ratio	Lower	Upper
53	100		
52	92.0	75.8	113.8
51	55.6	42.1	63.1

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#16

Acetone

Concen: 104.36 ug/l

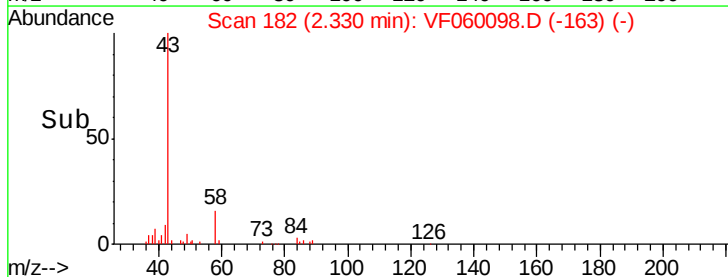
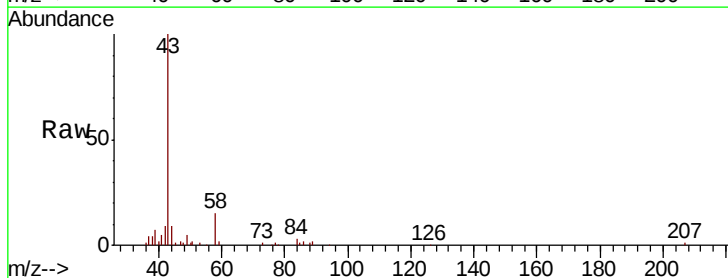
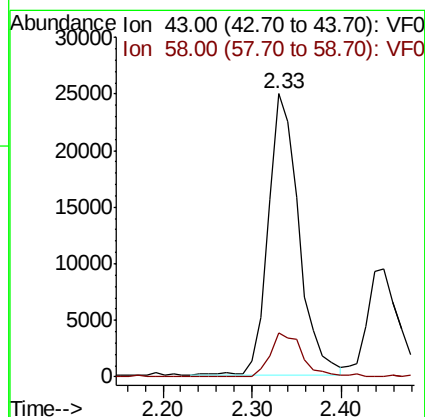
RT: 2.33 min Scan# 182

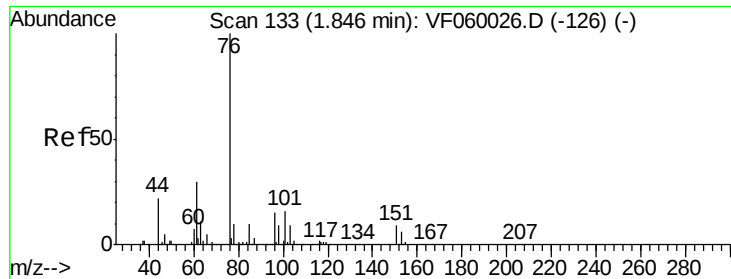
Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tgt Ion:	43	Resp:	59299
Ion	Ratio	Lower	Upper
43	100		
58	15.4	12.6	19.0





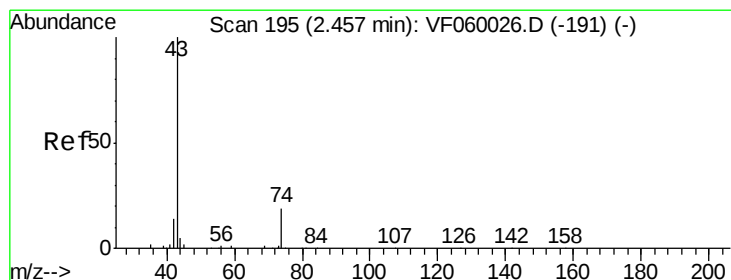
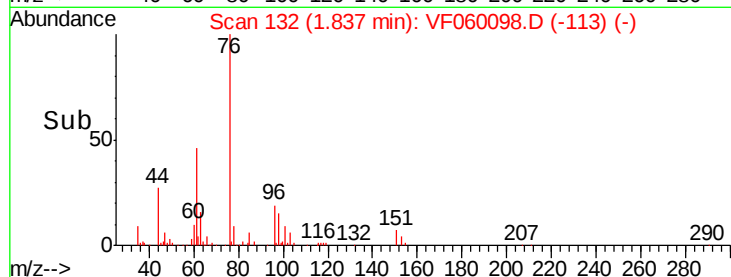
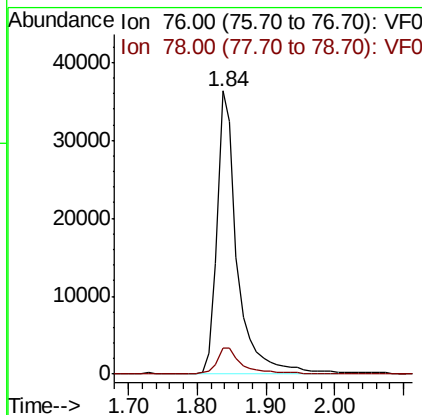
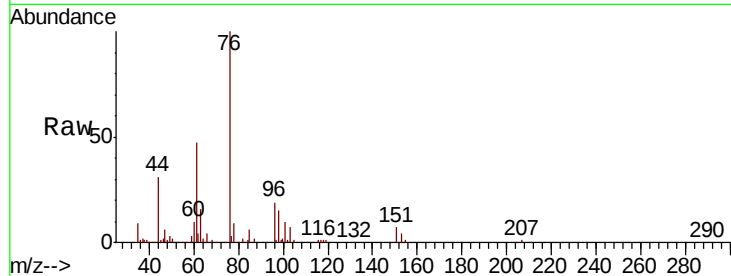
#17
Carbon Disulfide
Concen: 23.62 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	8.4	12.6

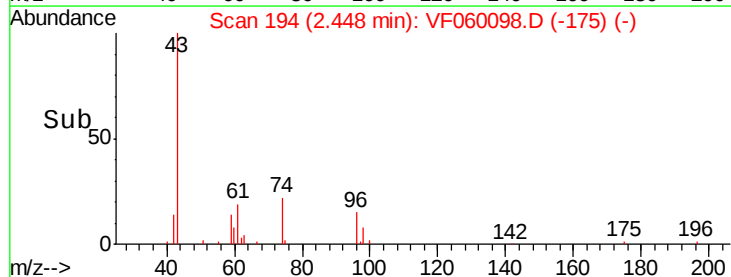
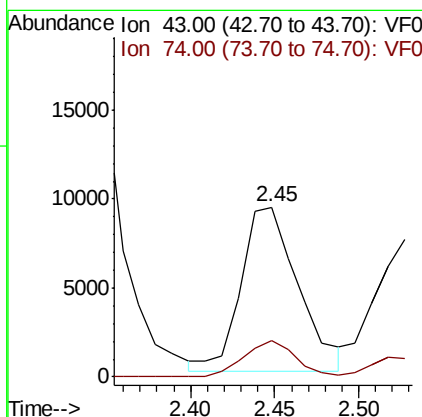
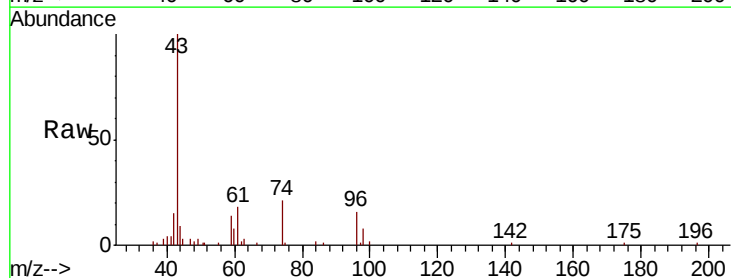
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#18
Methyl Acetate
Concen: 20.07 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	13.8	20.6#





#19

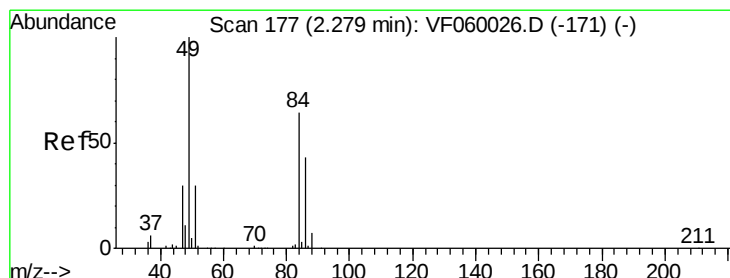
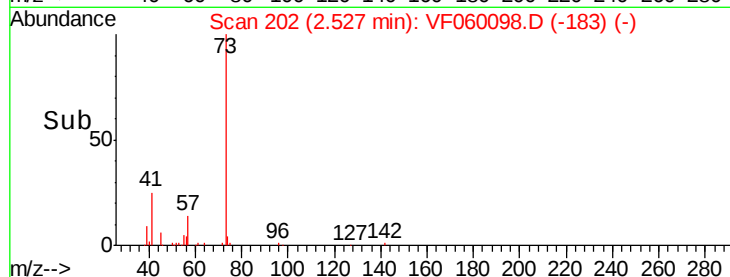
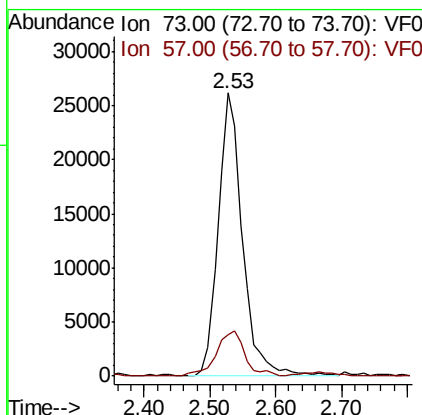
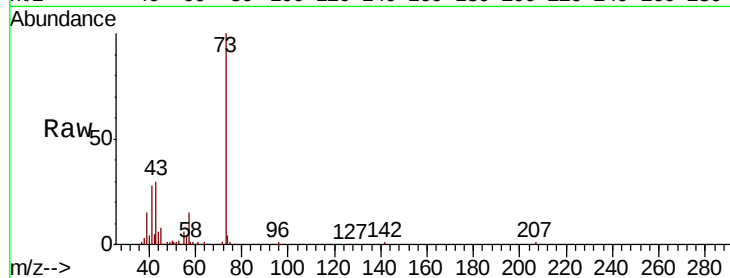
Methyl tert-butyl Ether
 Concen: 20.85 ug/l
 RT: 2.53 min Scan# 202
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	14.5	13.7	20.5

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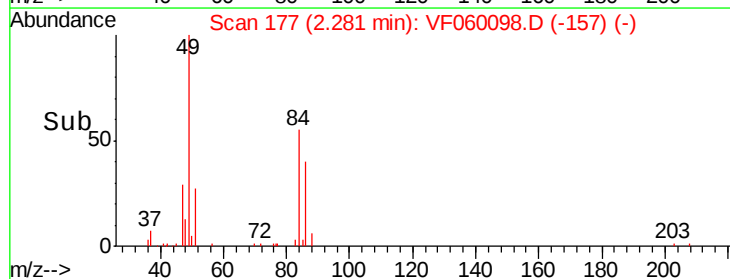
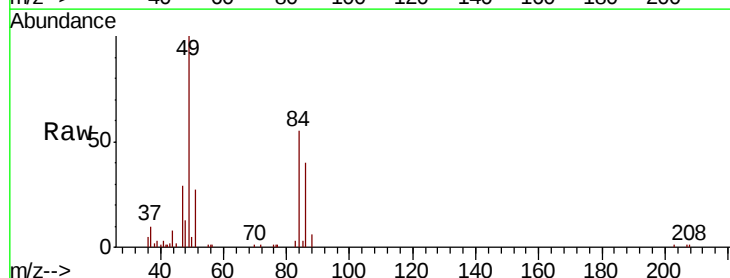
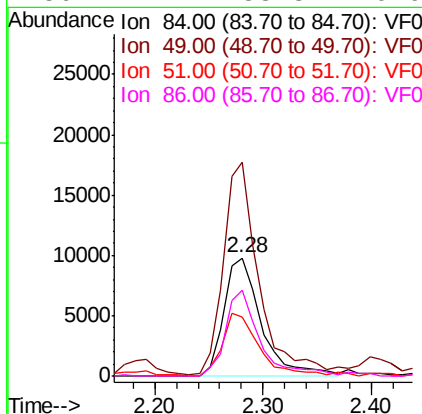
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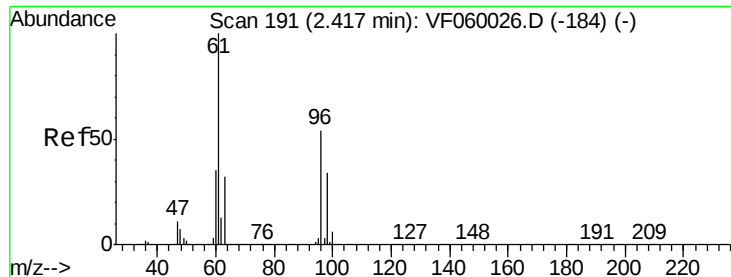


#20

Methylene Chloride
 Concen: 17.66 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	180.4	125.4	188.0
51	49.5	38.3	57.5
86	72.2	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 32.07 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

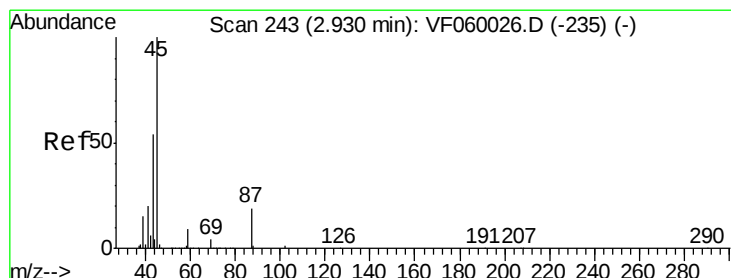
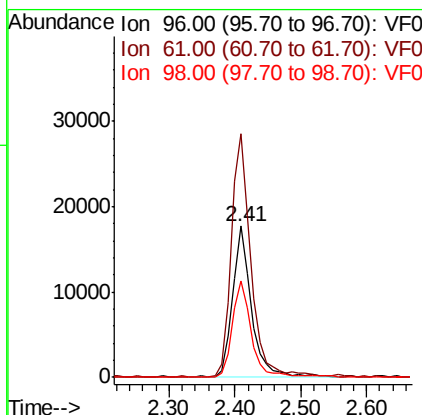
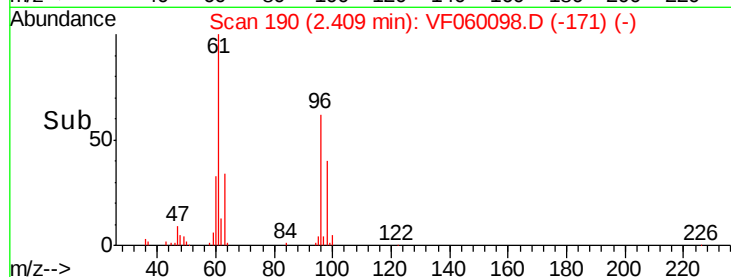
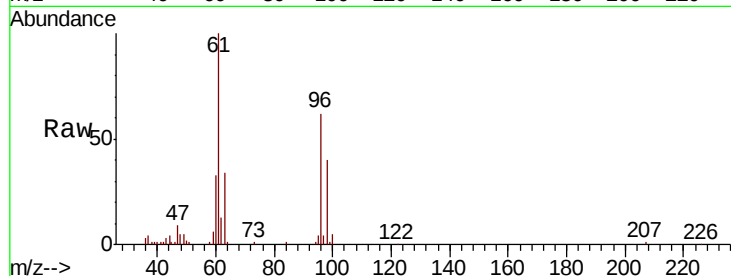
ClientSampleId :

VF0824SBS01

Tot Ion:	96	Resp:	36036
Ion	Ratio	Lower	Upper
96	100		
61	160.9	147.4	221.0
98	63.9	49.8	74.6

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#22

Diisopropyl ether

Concen: 21.82 ug/l

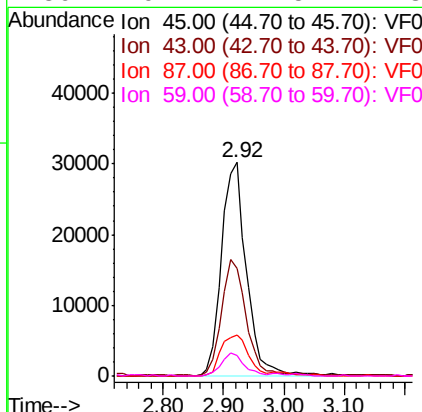
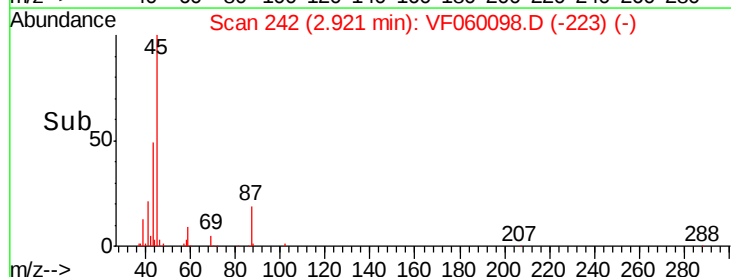
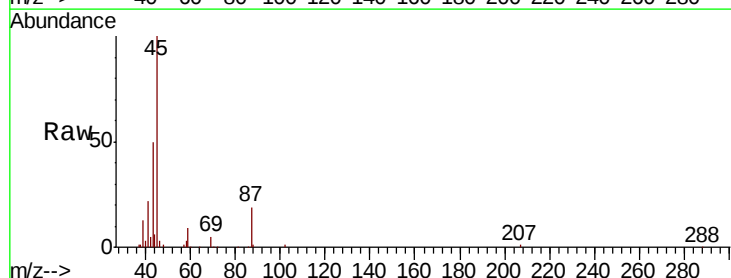
RT: 2.92 min Scan# 242

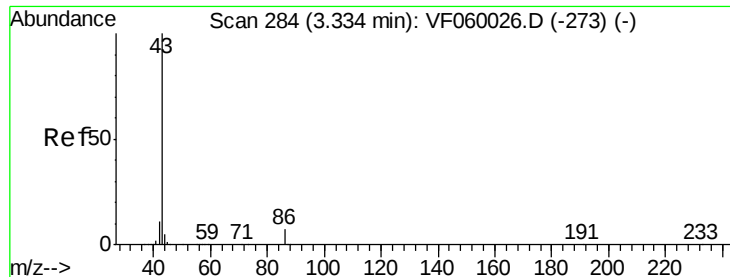
Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tgt Ion:	45	Resp:	87127
Ion	Ratio	Lower	Upper
45	100		
43	50.2	43.4	65.2
87	19.4	15.4	23.2
59	9.4	7.5	11.3





#23

Vinyl Acetate

Concen: 91.22 ug/l

RT: 3.33 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 43 Resp: 192980

Ion Ratio Lower Upper

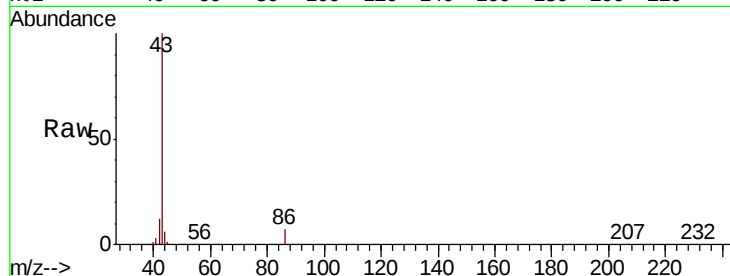
43 100

86 7.4 5.6 8.4

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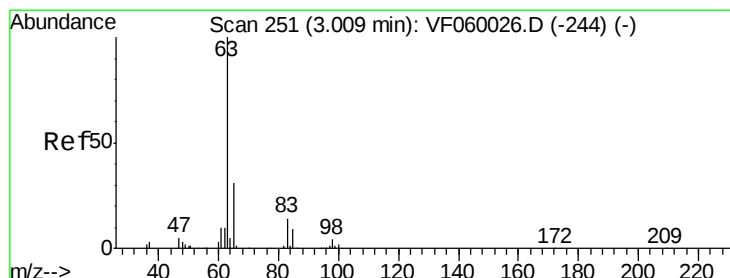
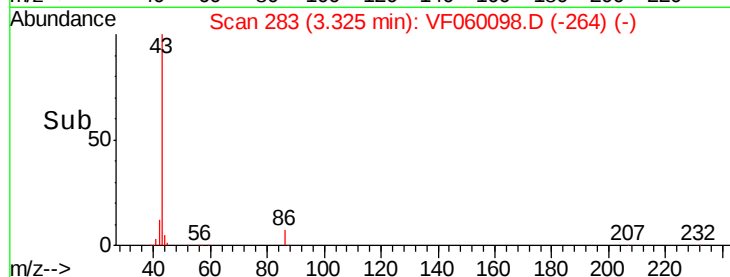
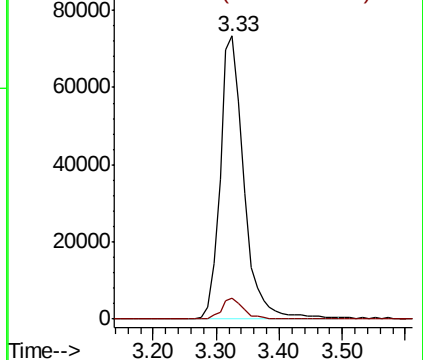
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 29.02 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

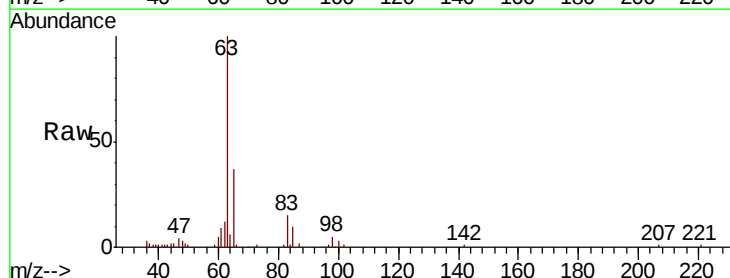
Tgt Ion: 63 Resp: 71582

Ion Ratio Lower Upper

63 100

98 4.8 2.1 6.5

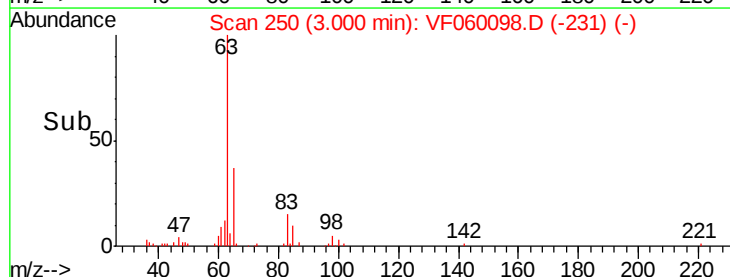
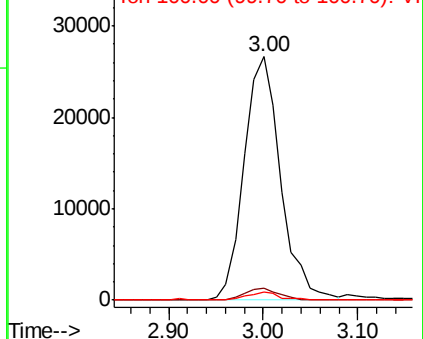
100 3.3 1.1 3.3

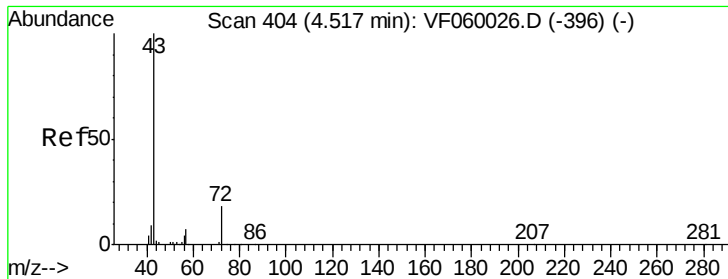


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 90.28 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.03 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tot Ion: 43 Resp: 66628

Ion Ratio Lower Upper

43 100

72 17.4 15.0 22.6

Instrument :

MSVOA_F

ClientSampleId :

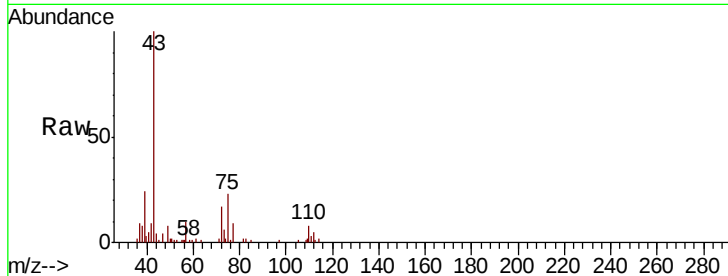
VF0824SBS01

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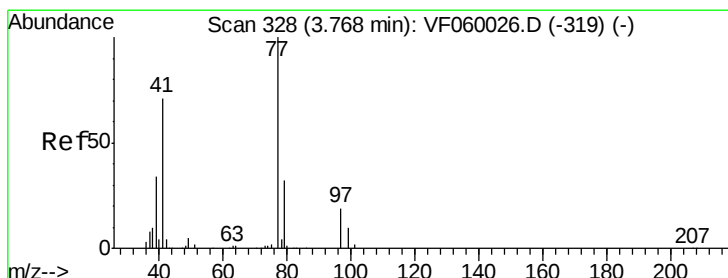
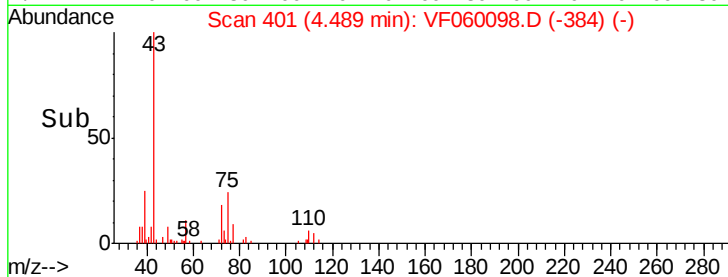
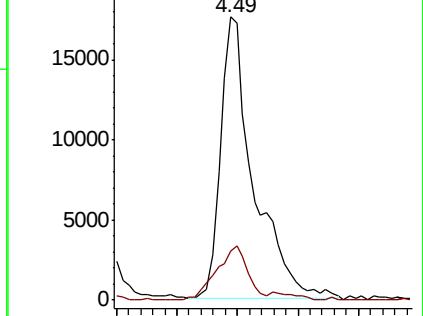
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 24.50 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060098.D

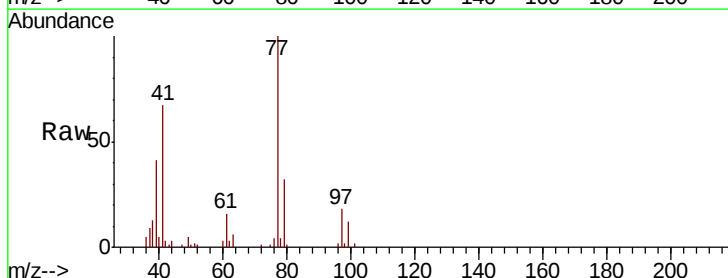
Acq: 24 Aug 2018 14:24

Tgt Ion: 77 Resp: 62532

Ion Ratio Lower Upper

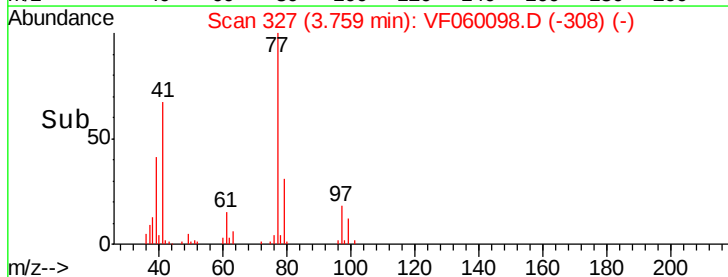
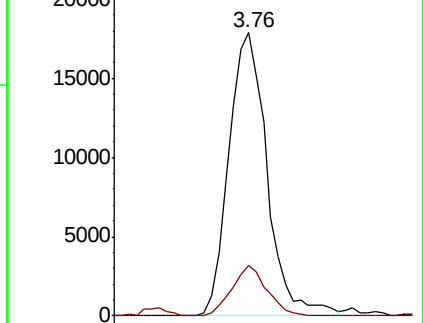
77 100

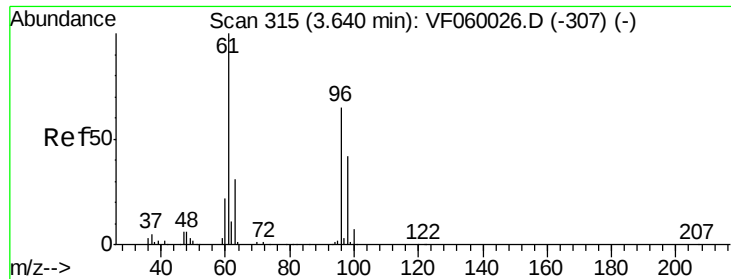
97 17.8 9.7 29.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

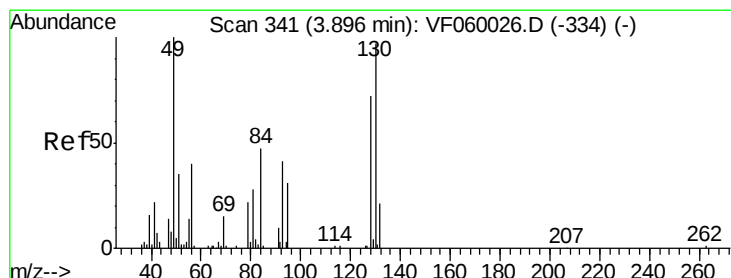
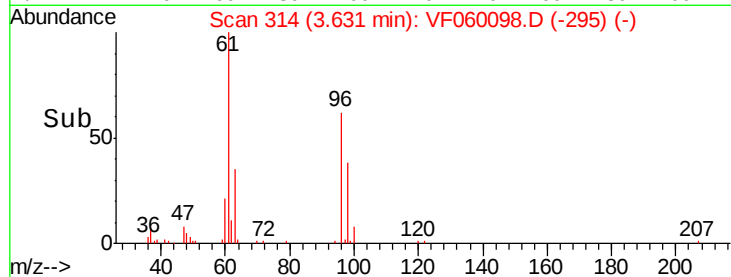
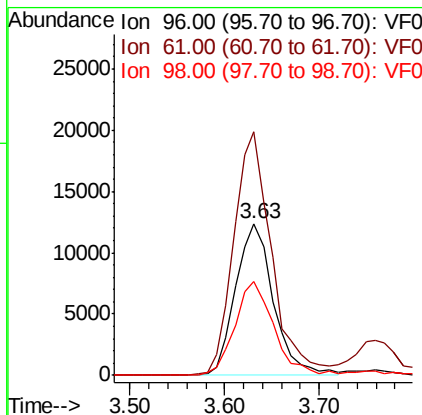
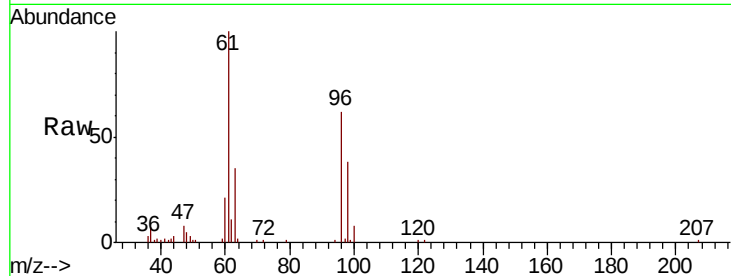
cis-1,2-Dichloroethene
Concen: 21.57 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	160.1	0.0	34344	0.0	307.6
98	61.4	0.0	128.4		

Manual Integrations
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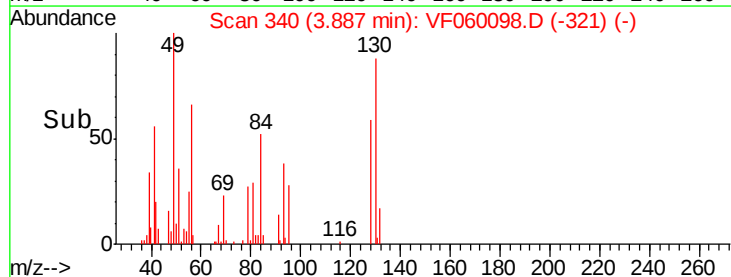
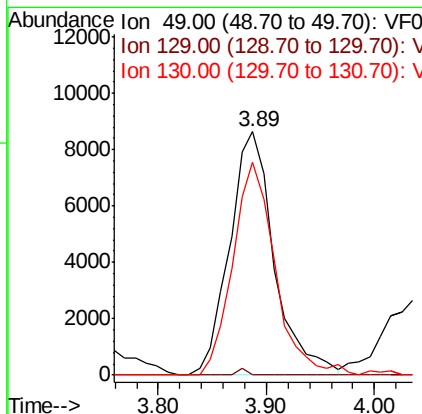
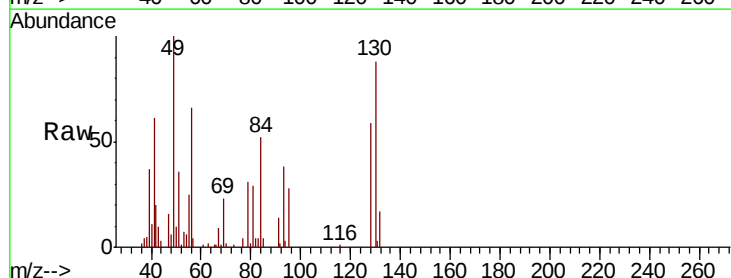
apatel
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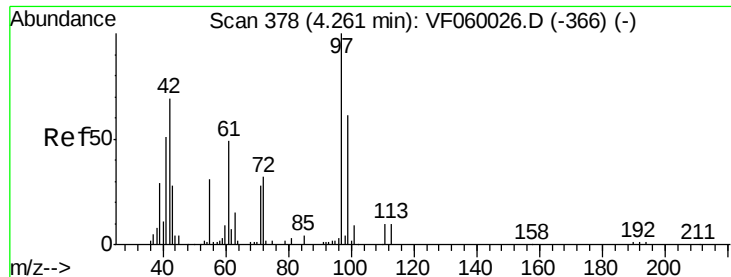


#28

Bromochloromethane
Concen: 23.82 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	0.0	0.0	24807	0.0	7.4
130	87.5	78.0	117.0		





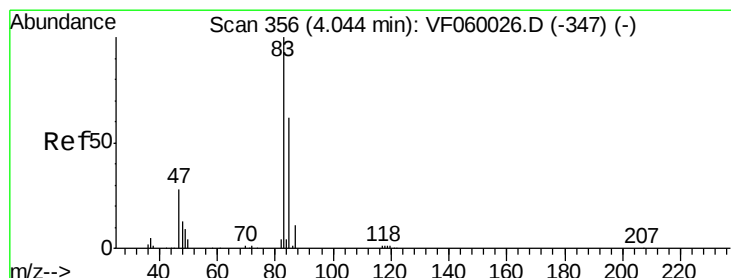
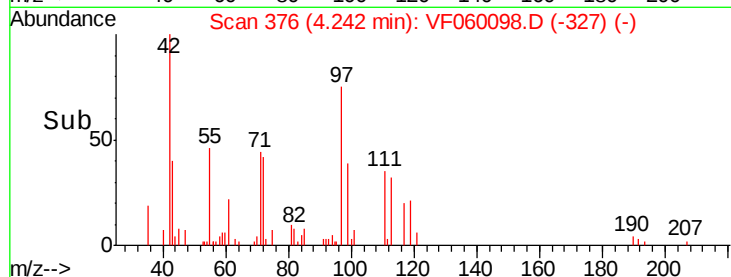
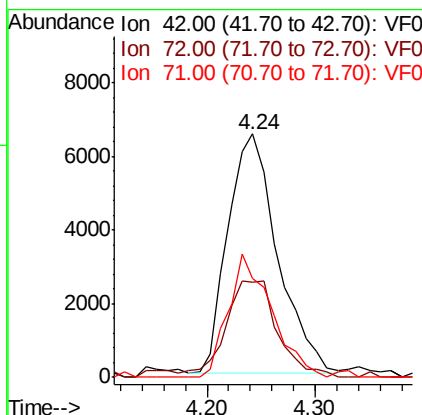
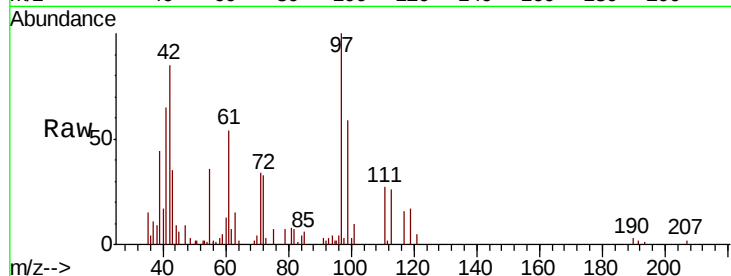
#29
Tetrahydrofuran
Concen: 74.51 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.02 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	20762		
72	42.4		31.4	47.2
71	44.9		29.7	44.5

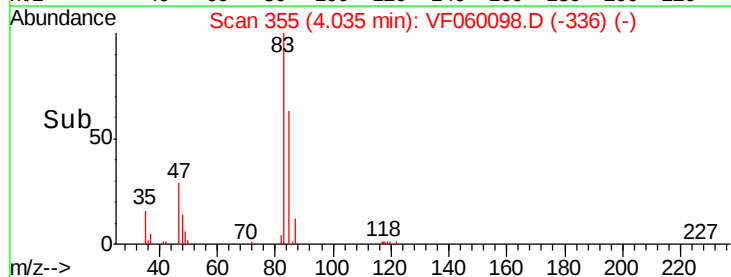
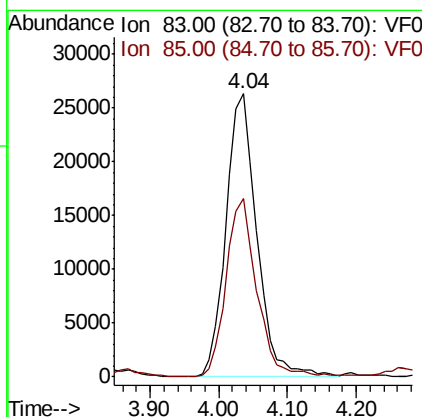
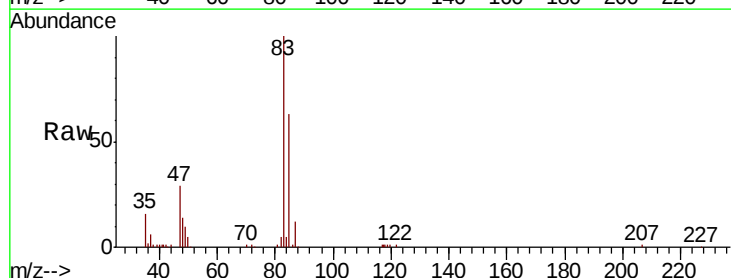
Manual Integrations
APPROVED

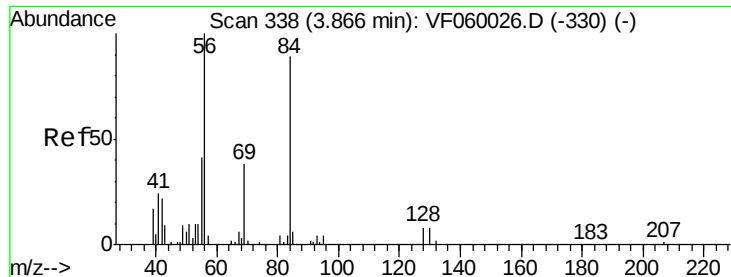
apatel
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#30
Chloroform
Concen: 23.59 ug/l
RT: 4.04 min Scan# 355
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	81676		
85	63.3		49.5	74.3





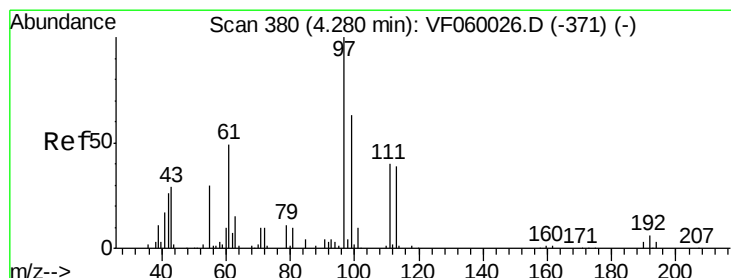
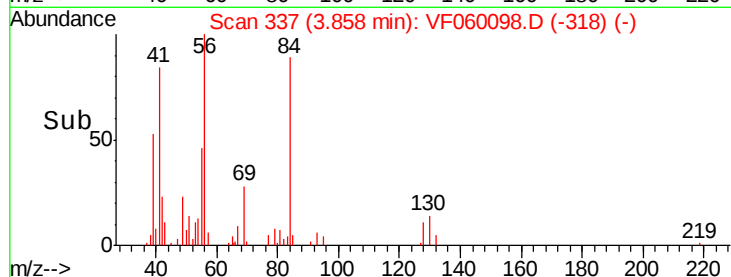
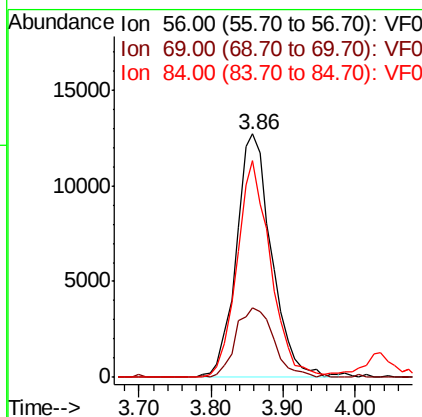
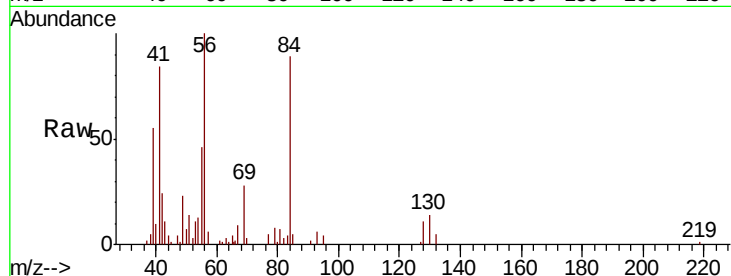
#31
Cyclohexane
Concen: 23.08 ug/l
RT: 3.86 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	30.4	45.6#
84	89.1	71.4	107.2

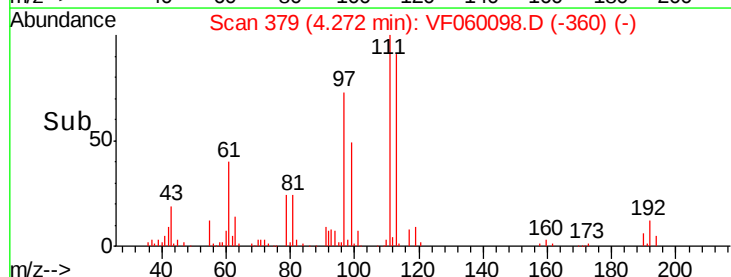
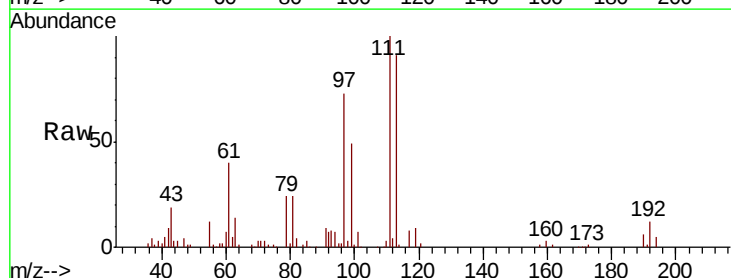
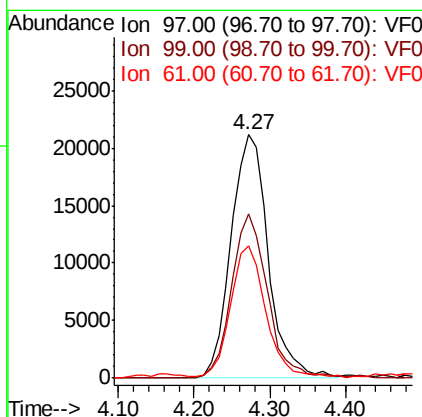
Manual Integrations
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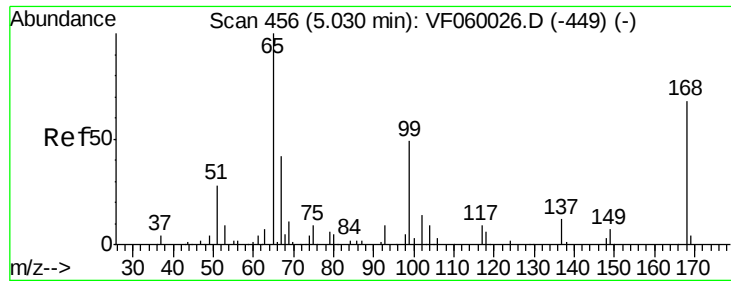
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#32
1,1,1-Trichloroethane
Concen: 24.32 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.4	50.3	75.5
61	54.2	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 53.11 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tot Ion: 65 Resp: 114826

Ion Ratio Lower Upper

65 100

67 46.2 0.0 92.0

Instrument :

MSVOA_F

ClientSampleId :

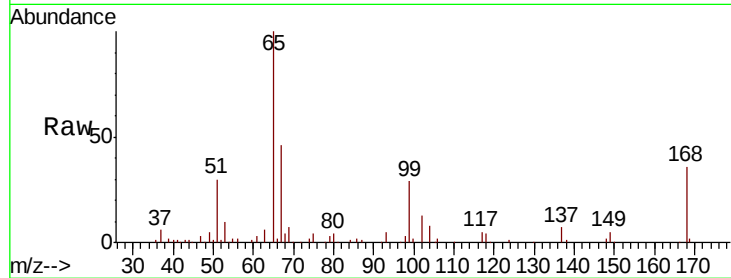
VF0824SBS01

Manual Integrations

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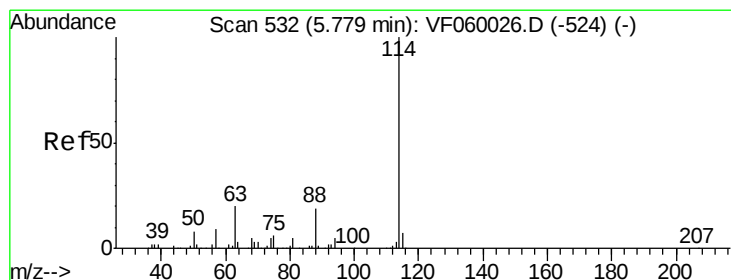
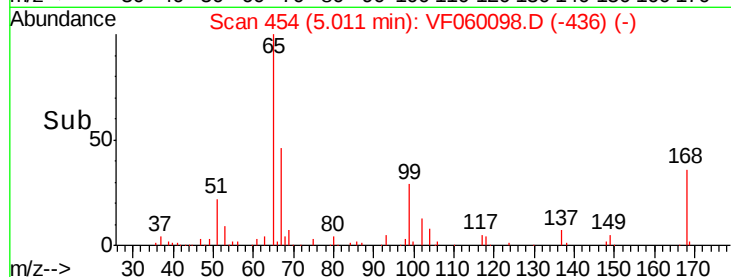
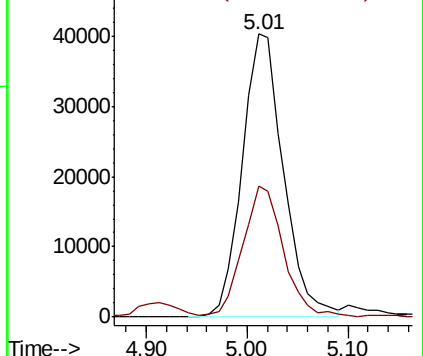
apatel

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

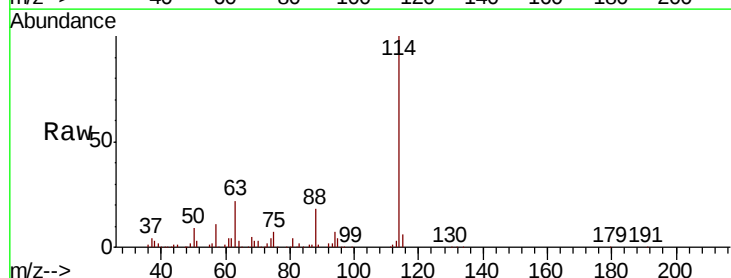
Tgt Ion: 114 Resp: 241125

Ion Ratio Lower Upper

114 100

63 22.2 0.0 40.4

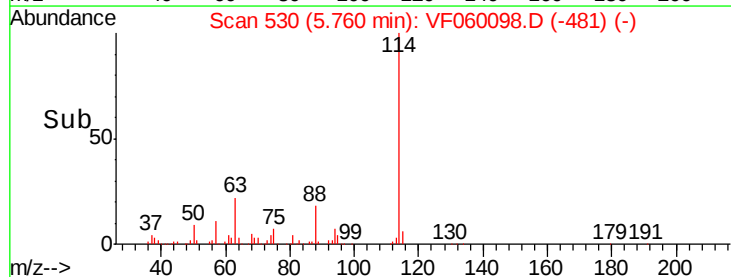
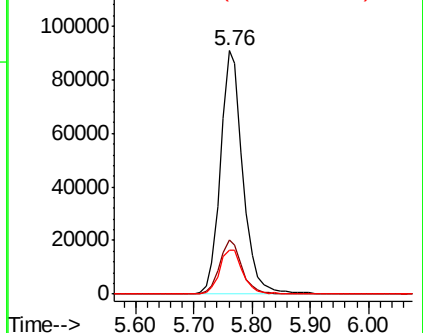
88 17.9 0.0 38.6

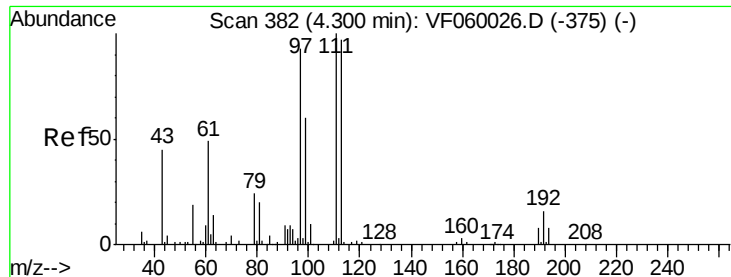


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 59.73 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

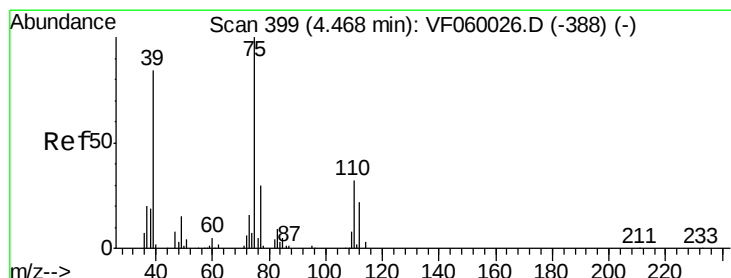
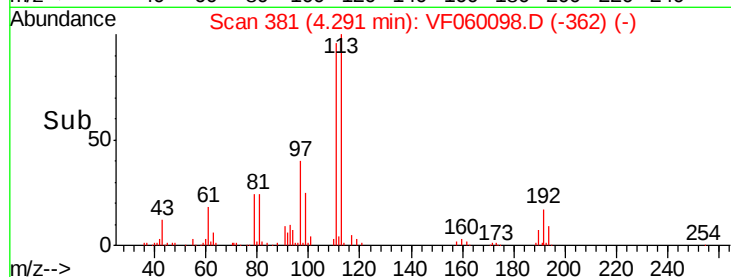
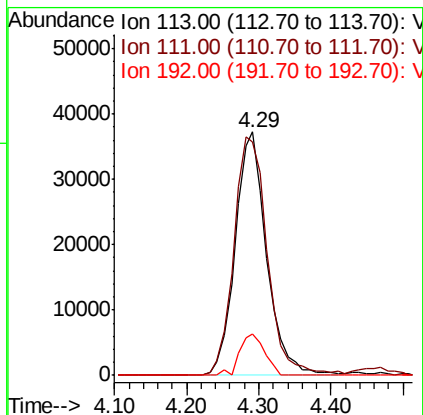
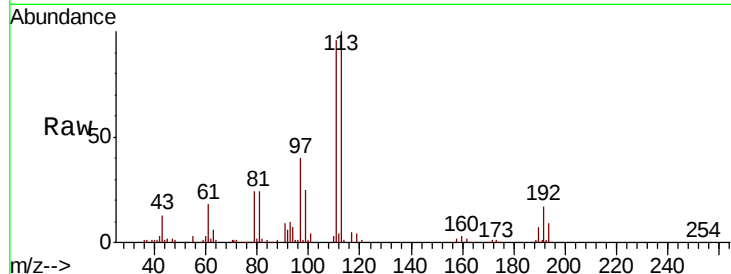
ClientSampleId :

VF0824SBS01

Tot Ion:	113	Resp:	113086
Ion Ratio	Lower	Upper	
113	100		
111	95.8	82.7	124.1
192	17.0	13.0	19.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.94 ug/l

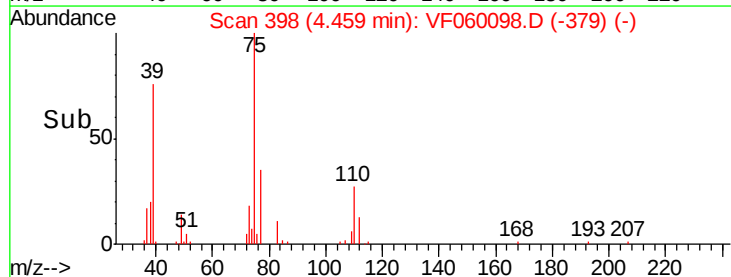
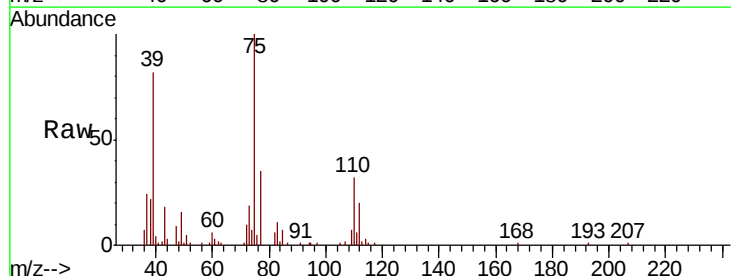
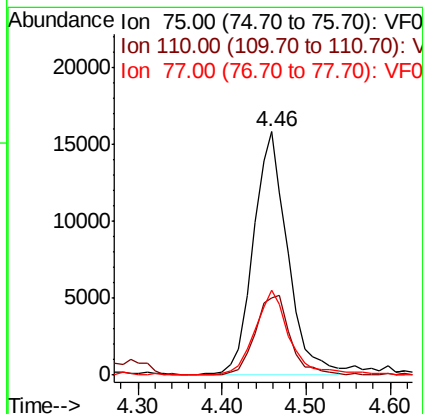
RT: 4.46 min Scan# 398

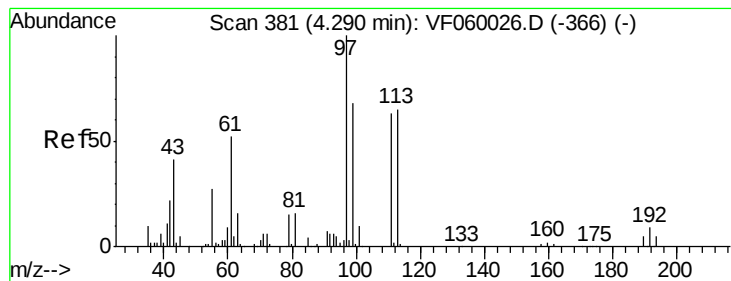
Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tgt Ion:	75	Resp:	45190
Ion Ratio	Lower	Upper	
75	100		
110	31.7	16.0	47.9
77	34.6	24.1	36.1





#37

Ethyl Acetate

Concen: 15.90 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.03 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

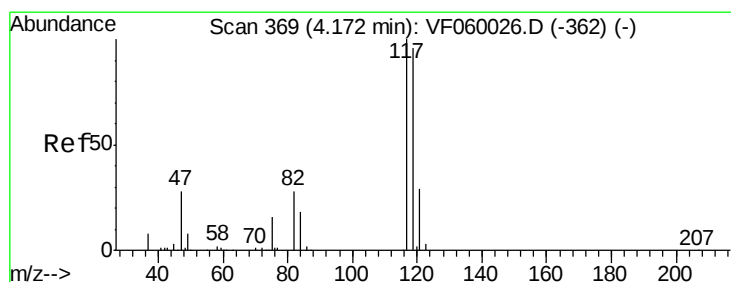
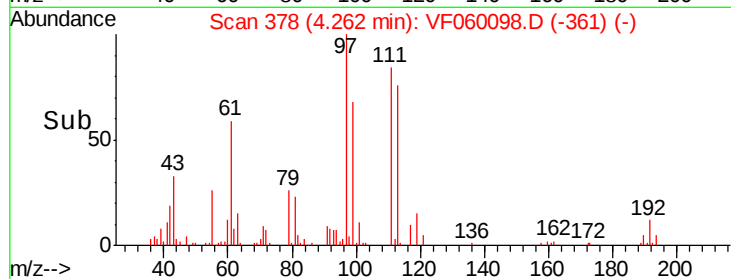
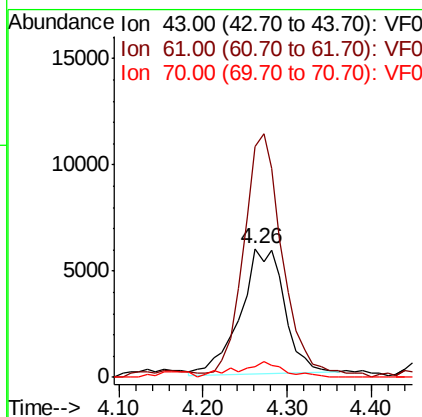
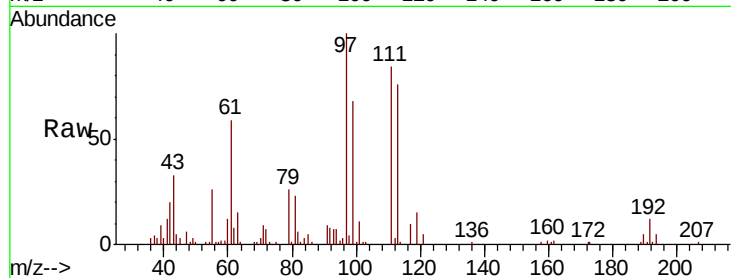
ClientSampleId :

VF0824SBS01

Tot Ion:	43	Resp:	21542
Ion	Ratio	Lower	Upper
43	100		
61	180.0	101.5	152.3#
70	7.9	6.4	9.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 24.94 ug/l

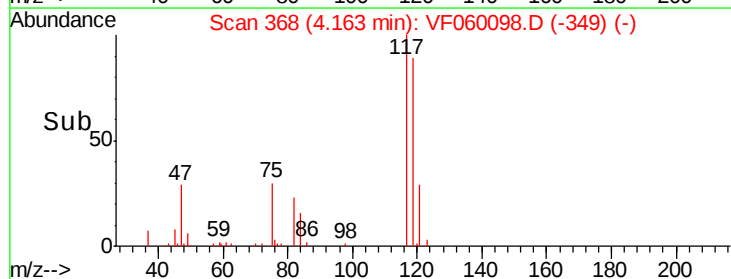
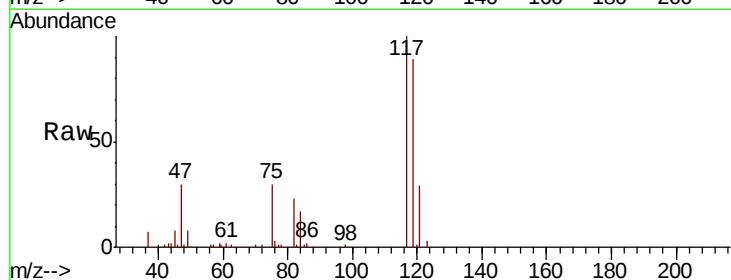
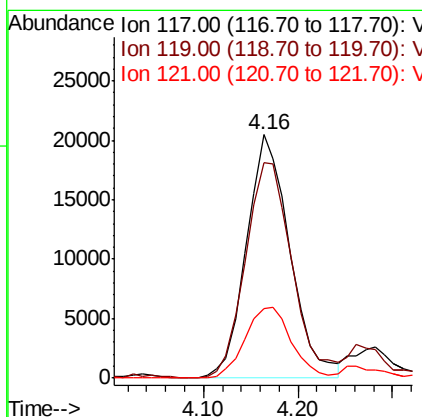
RT: 4.16 min Scan# 368

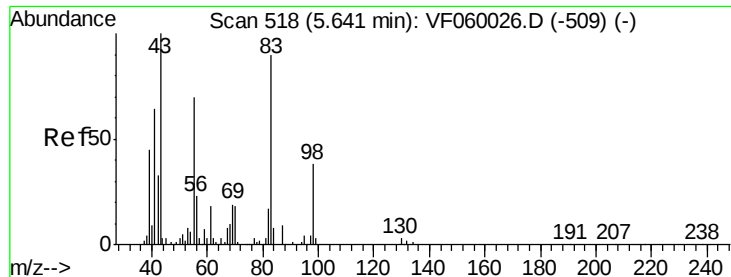
Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tgt Ion:	117	Resp:	65442
Ion	Ratio	Lower	Upper
117	100		
119	88.7	76.5	114.7
121	28.8	23.0	34.6





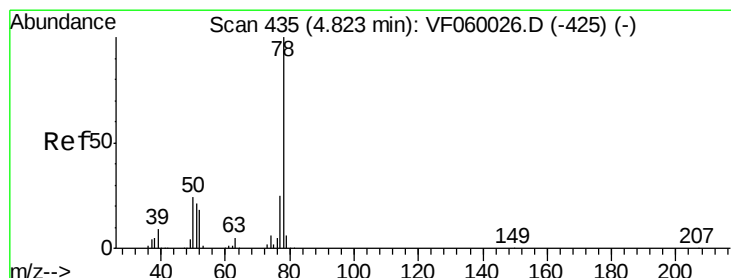
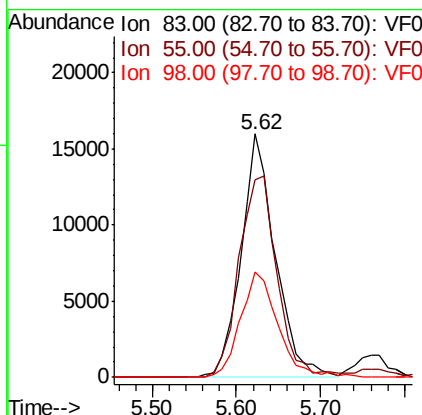
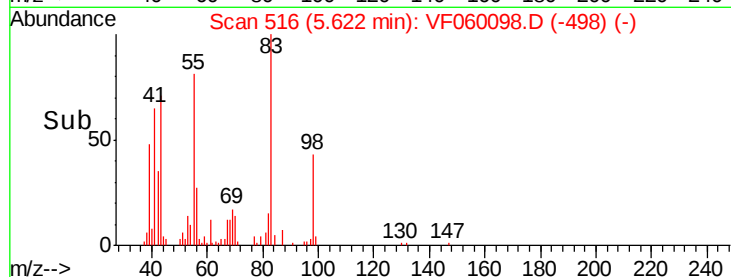
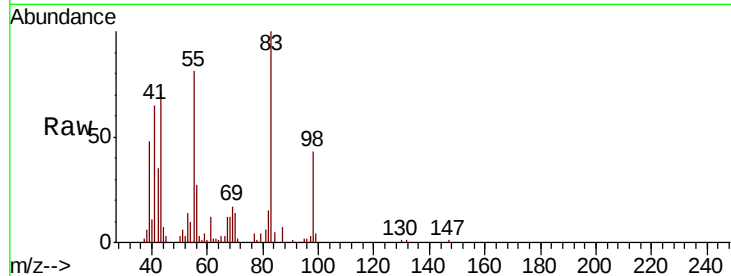
#39
Methvlcvclohexane
Concen: 21.35 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.1	62.7	94.1
98	43.3	33.8	50.8

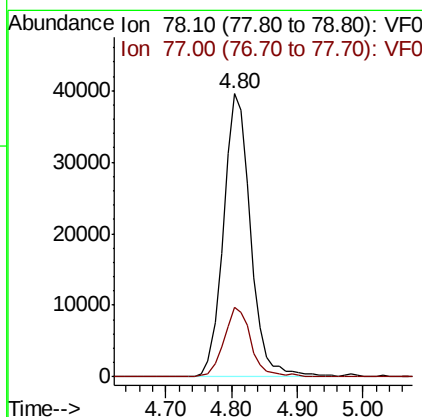
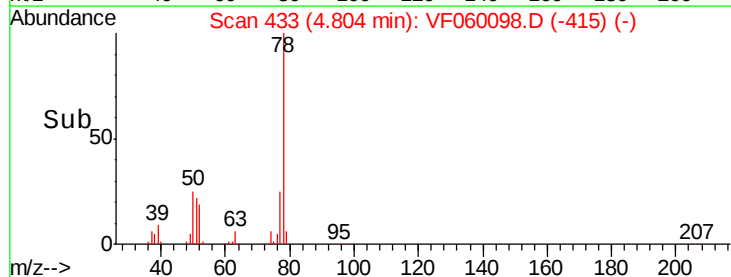
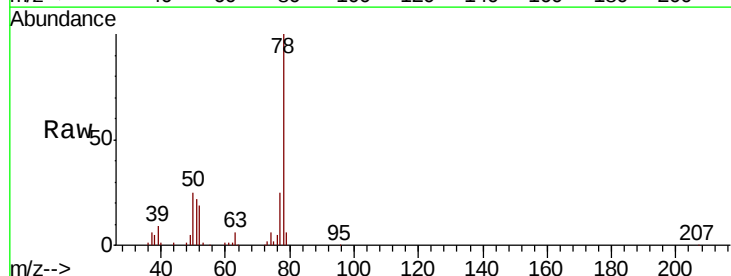
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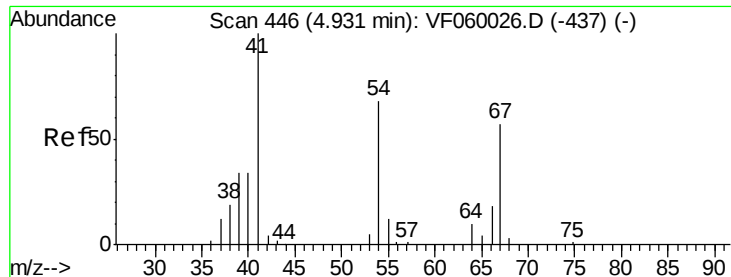
apatel
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#40
Benzene
Concen: 23.05 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.8	29.6





#41

Methacrylonitrile

Concen: 16.34 ug/l

RT: 4.90 min Scan# 443

Delta R.T. -0.03 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

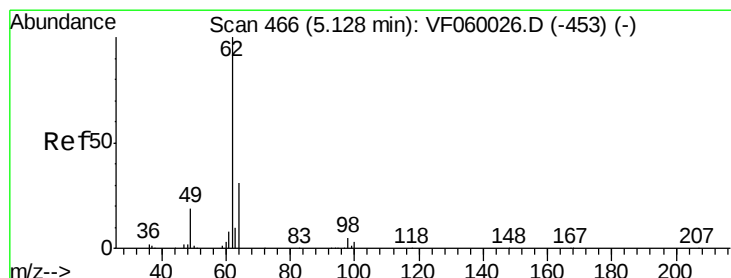
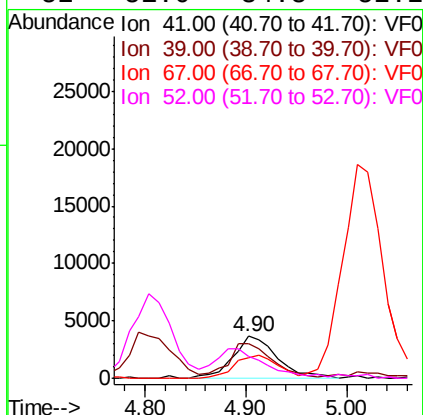
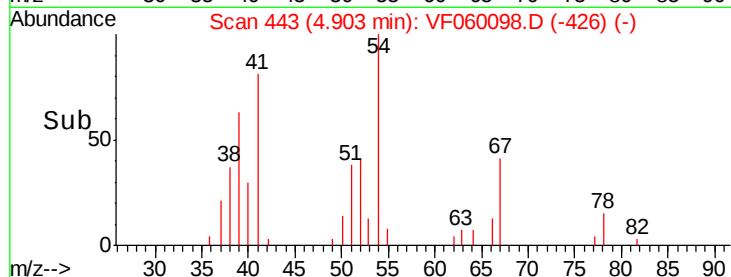
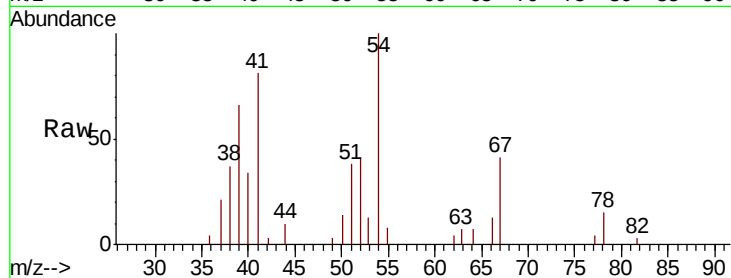
ClientSampleId :

VF0824SBS01

Tot Ion:	41	Resp:	11203
Ion	Ratio	Lower	Upper
41	100		
39	82.0	52.9	79.3#
67	50.4	45.3	67.9
52	51.0	34.8	52.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.01 ug/l

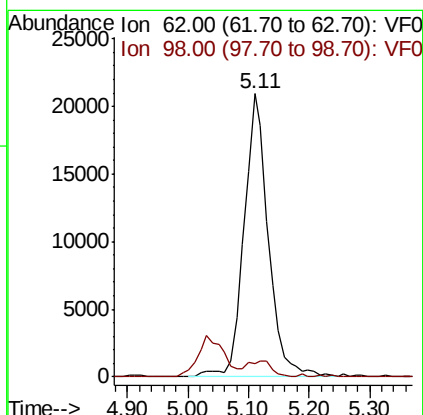
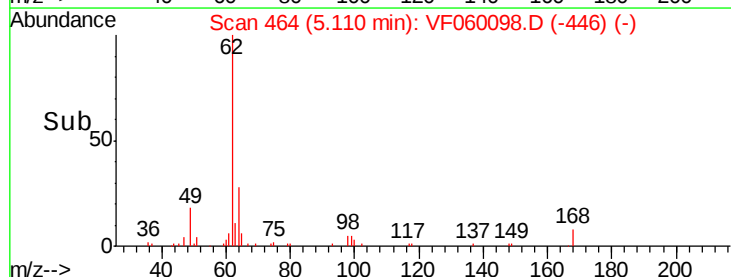
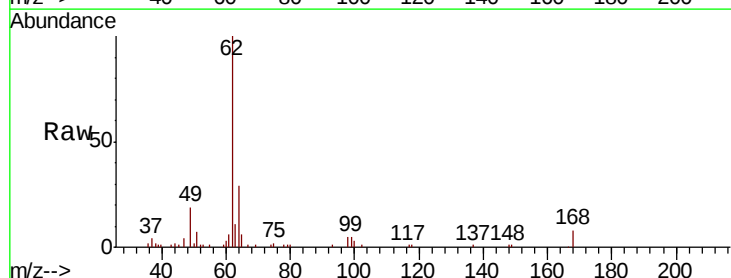
RT: 5.11 min Scan# 464

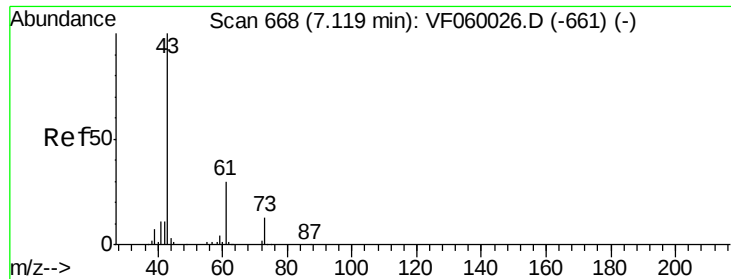
Delta R.T. -0.02 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tgt Ion:	62	Resp:	58420
Ion	Ratio	Lower	Upper
62	100		
98	4.7	0.0	11.2





#43

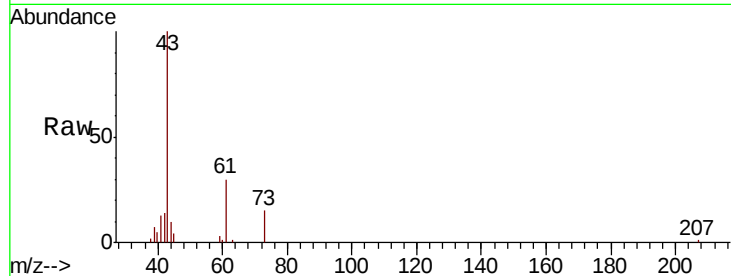
Isopropyl Acetate
 Concen: 14.40 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

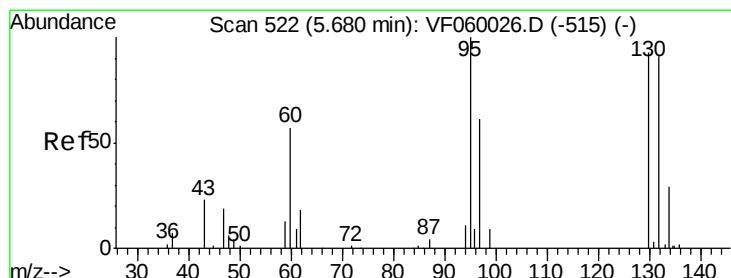
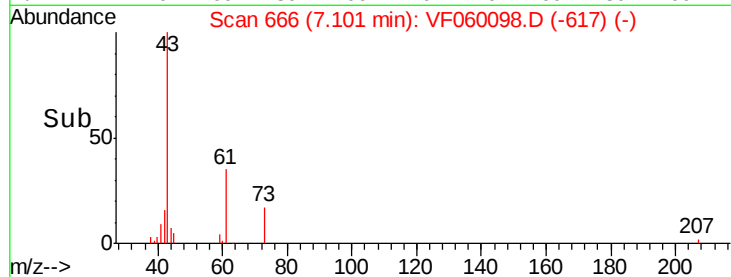
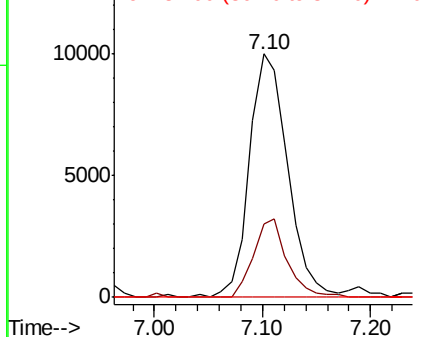
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	23.8	35.6
87	0.0	0.2	0.4

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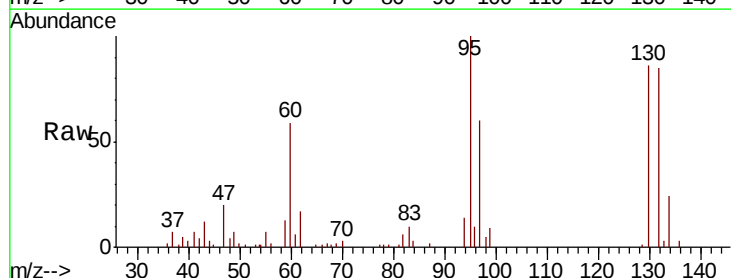
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



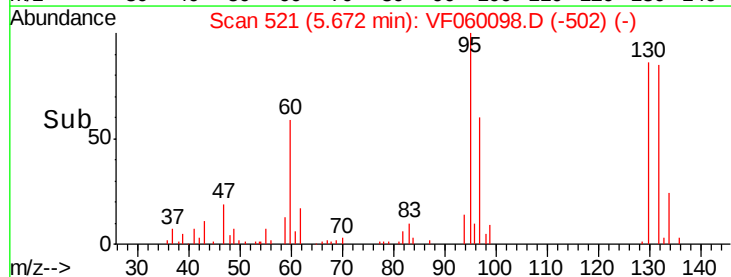
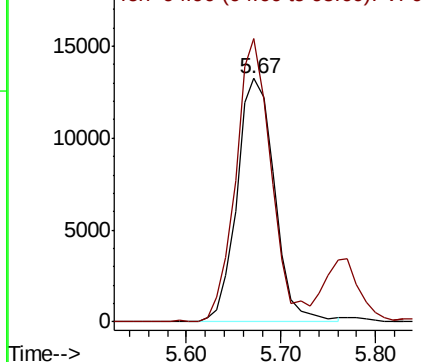
#44

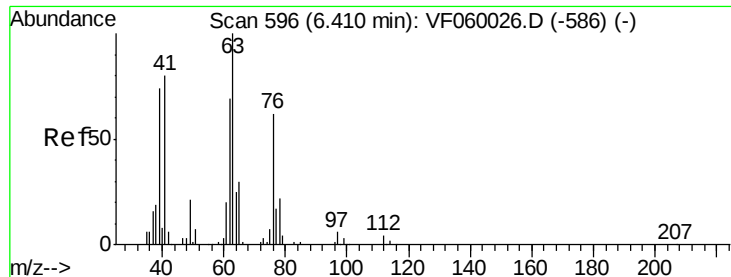
Trichloroethene
 Concen: 22.27 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.3	0.0	215.8



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.64 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 63 Resp: 30294

Ion Ratio Lower Upper

63 100

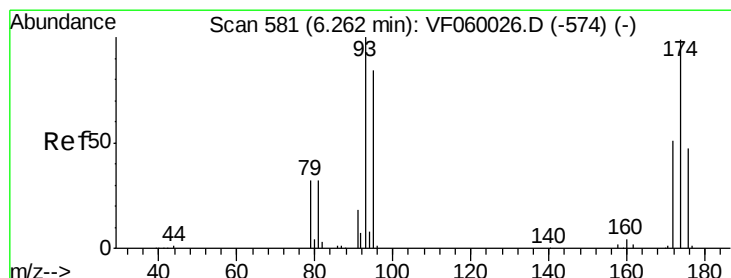
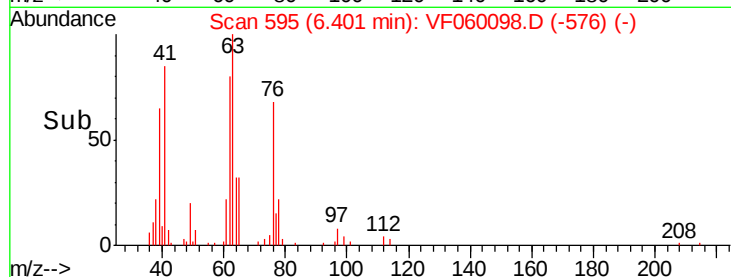
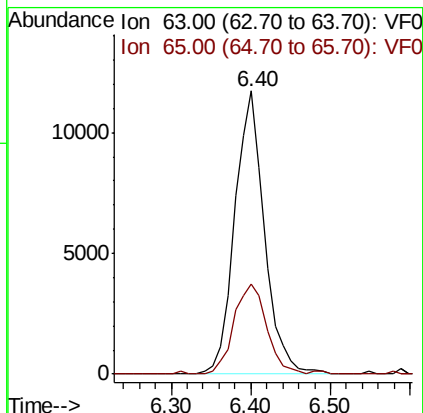
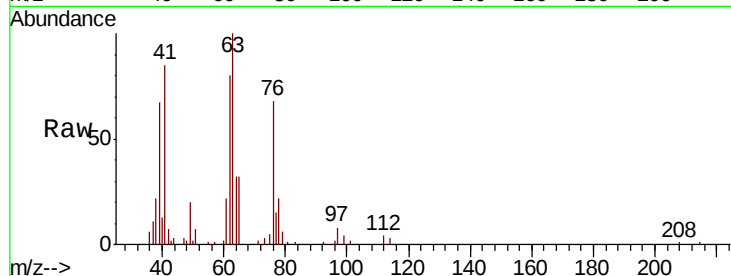
65 32.0 23.8 35.6

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#46

Dibromomethane

Concen: 22.14 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

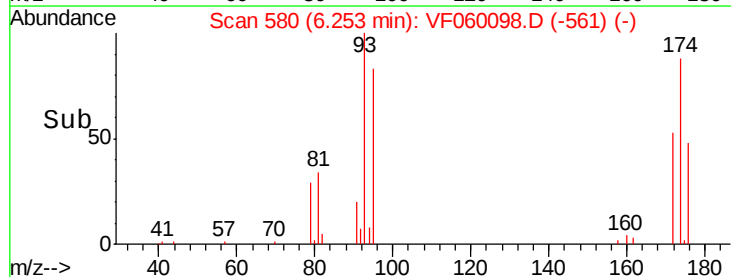
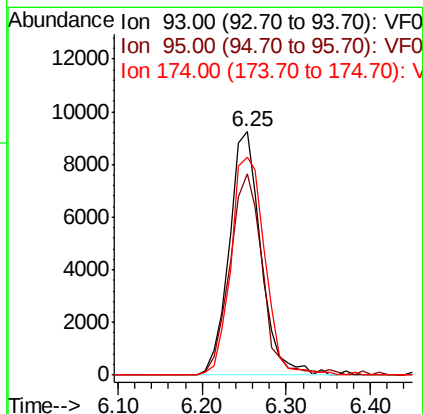
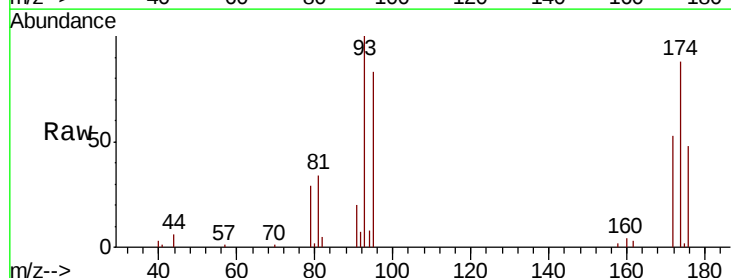
Tgt Ion: 93 Resp: 24259

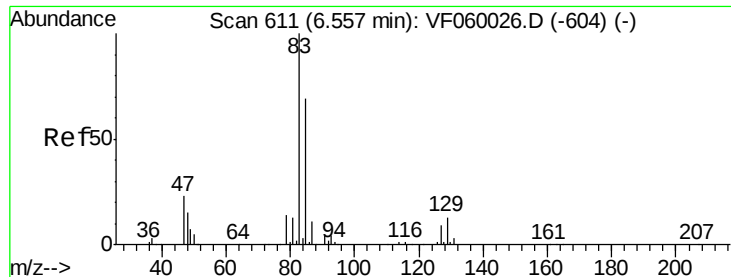
Ion Ratio Lower Upper

93 100

95 83.0 67.1 100.7

174 89.7 79.0 118.4





#47

Bromodichloromethane

Concen: 22.35 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

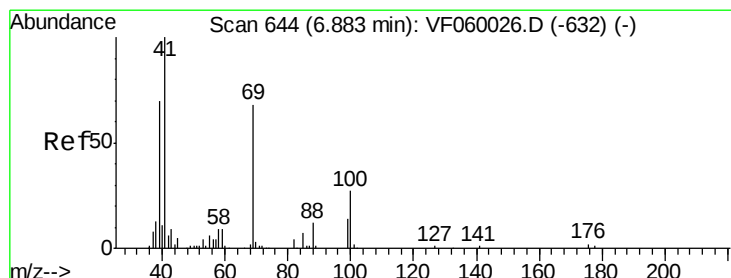
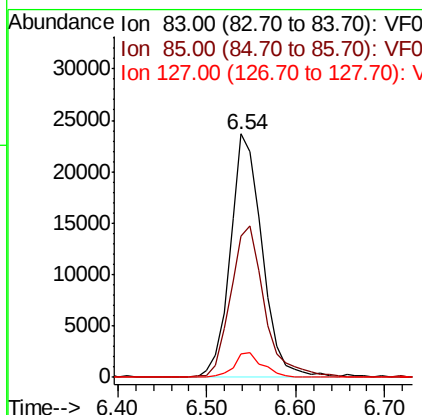
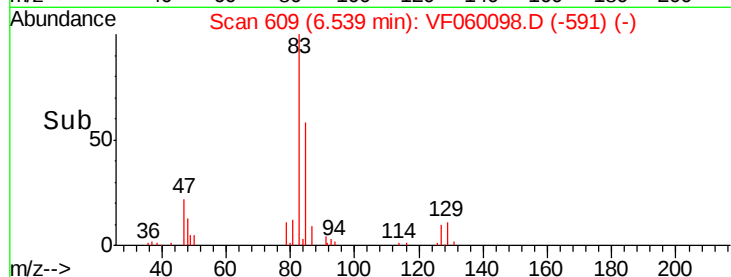
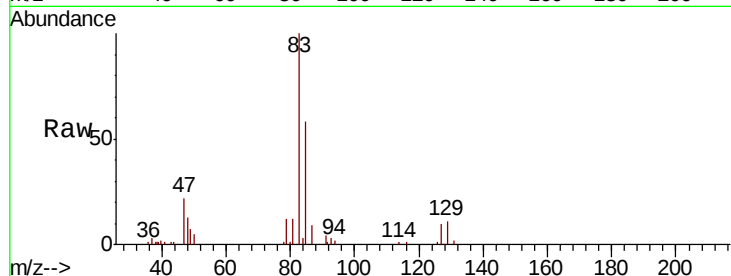
ClientSampleId :

VF0824SBS01

Tot Ion:	83	Resp:	59136
Ion	Ratio	Lower	Upper
83	100		
85	58.0	55.2	82.8
127	9.6	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 14.92 ug/l

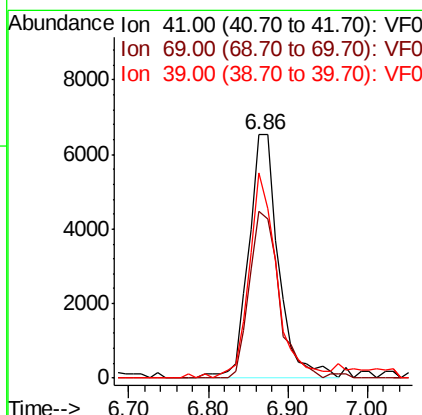
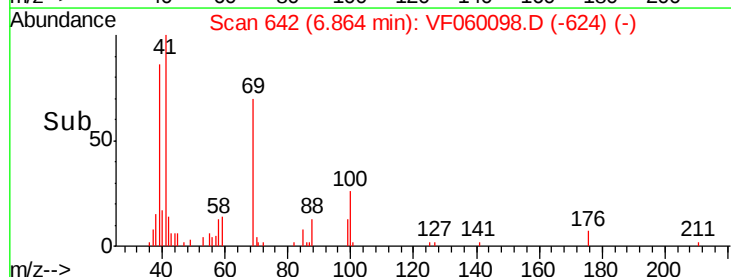
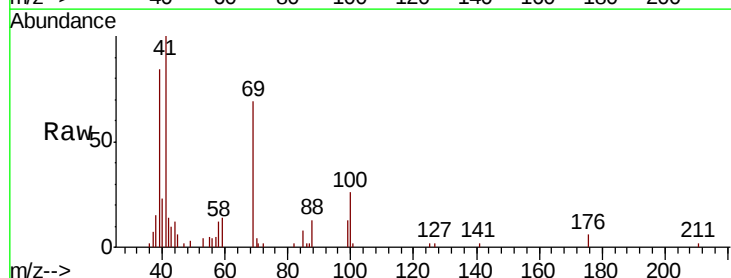
RT: 6.86 min Scan# 642

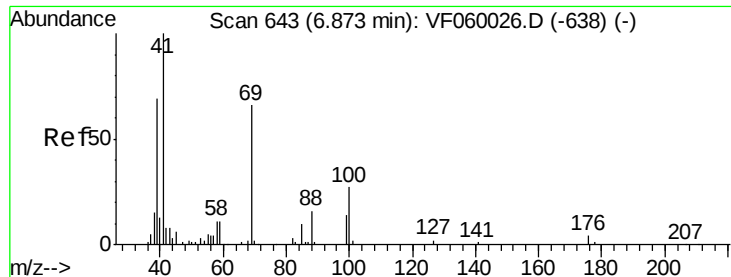
Delta R.T. -0.02 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tgt Ion:	41	Resp:	16843
Ion	Ratio	Lower	Upper
41	100		
69	68.6	54.6	81.8
39	84.1	56.5	84.7





#49

1,4-Dioxane

Concen: 332.91 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

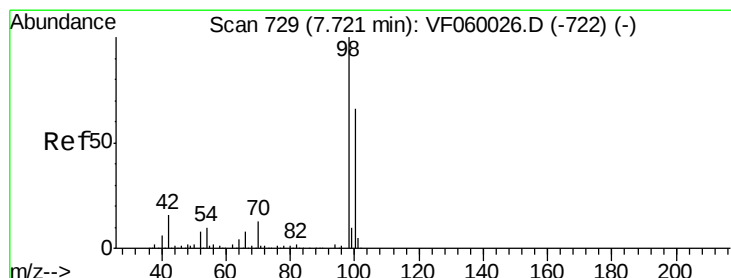
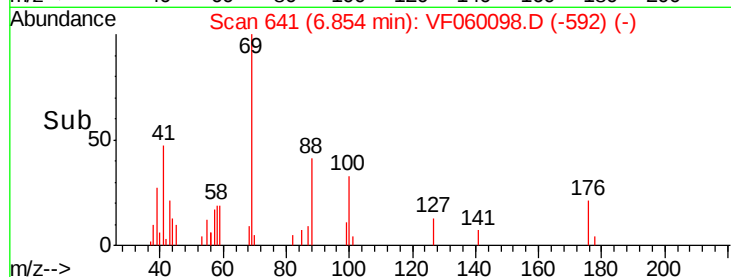
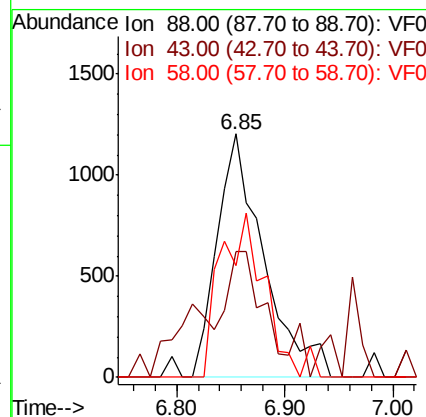
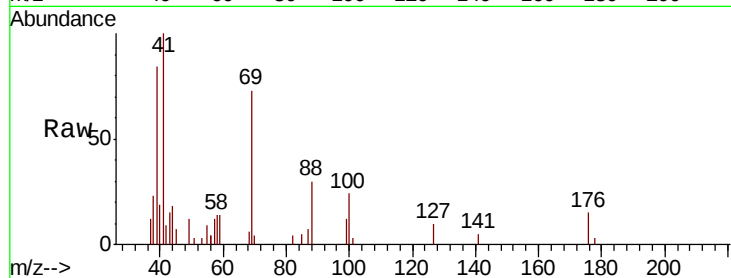
ClientSampleId :

VF0824SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	51.5	46.5	69.7
58	46.1	54.8	82.2#

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#50

Toluene-d8

Concen: 56.23 ug/l

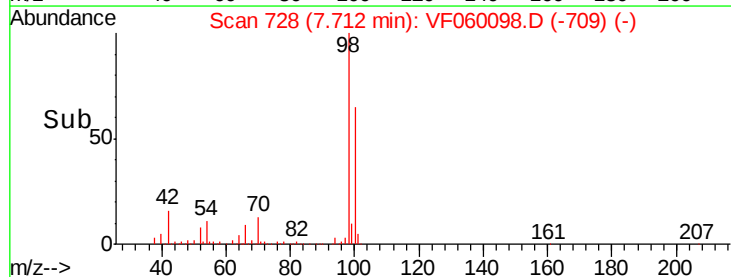
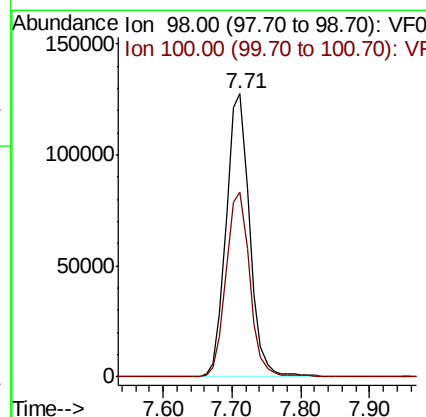
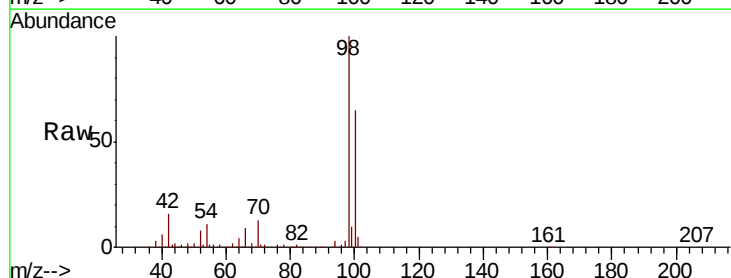
RT: 7.71 min Scan# 728

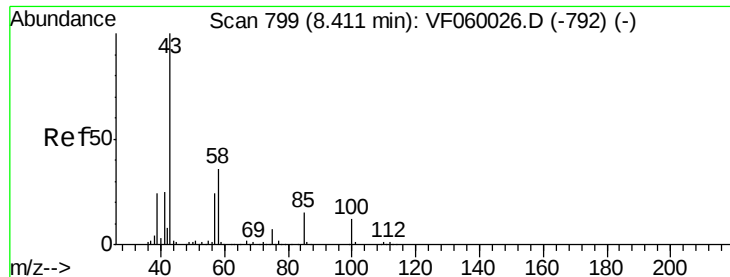
Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 94.80 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 43 Resp: 139631

Ion Ratio Lower Upper

43 100

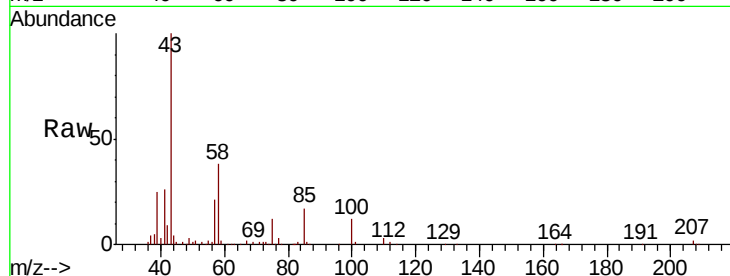
58 37.6 28.6 42.8

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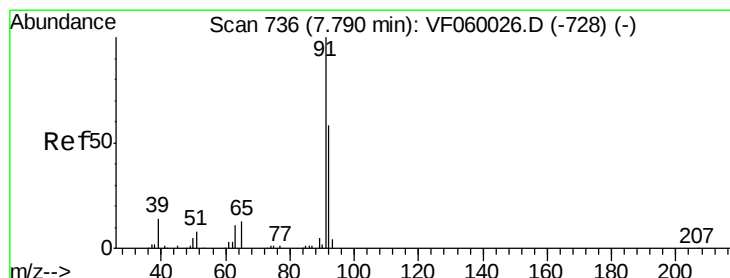
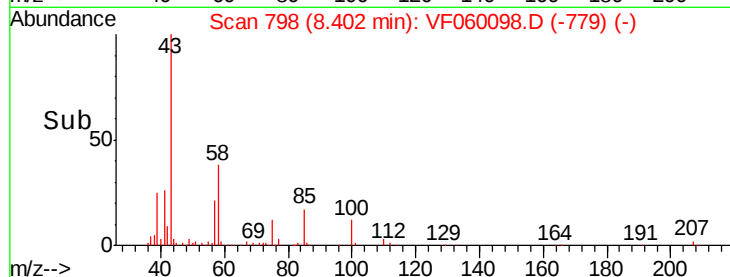
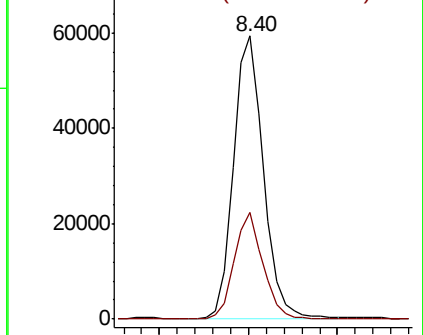
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 23.66 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060098.D

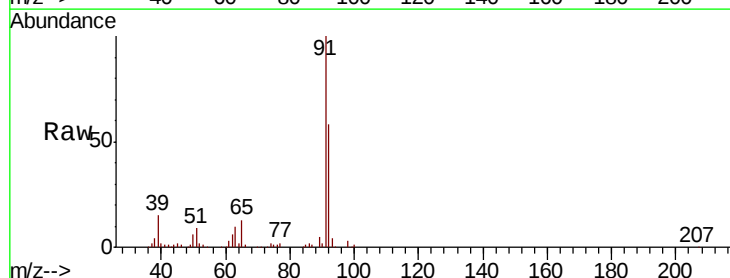
Acq: 24 Aug 2018 14:24

Tgt Ion: 92 Resp: 83565

Ion Ratio Lower Upper

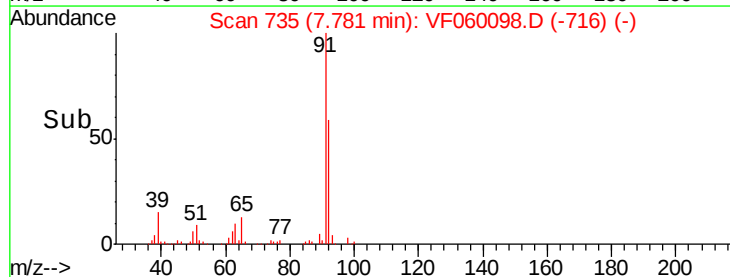
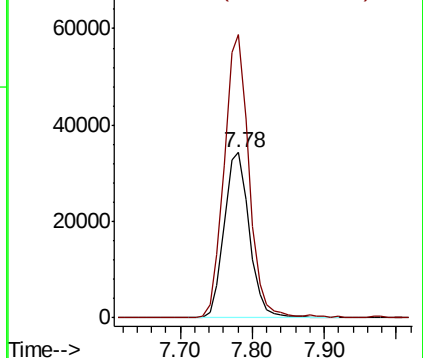
92 100

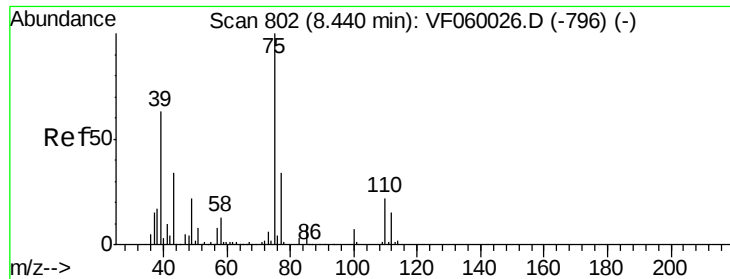
91 171.1 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





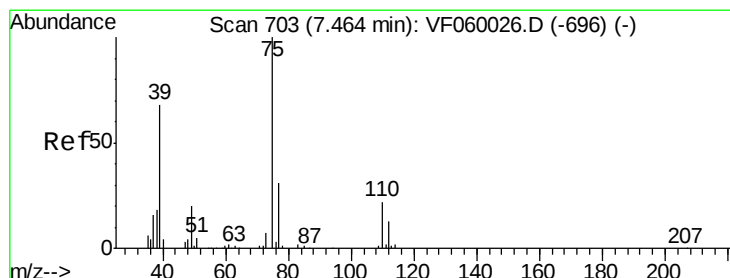
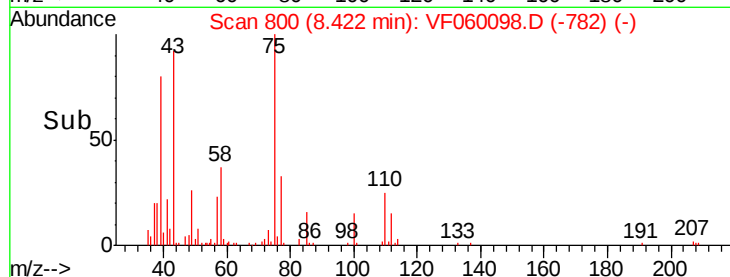
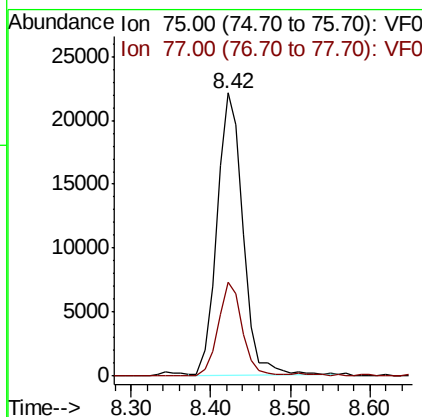
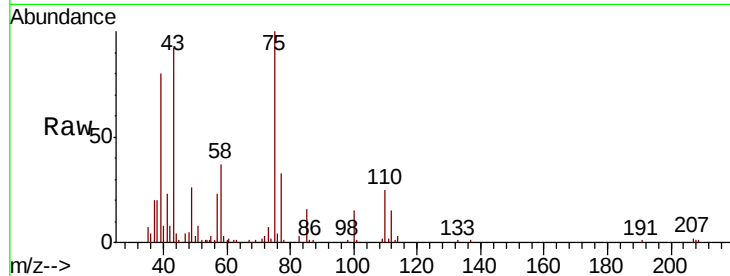
#53
t-1,3-Dichloropropene
Concen: 21.14 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.02 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion: 75 Resp: 50739
Ion Ratio Lower Upper
75 100
77 33.0 27.4 41.2

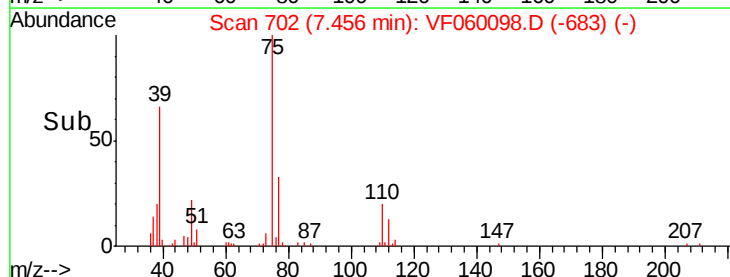
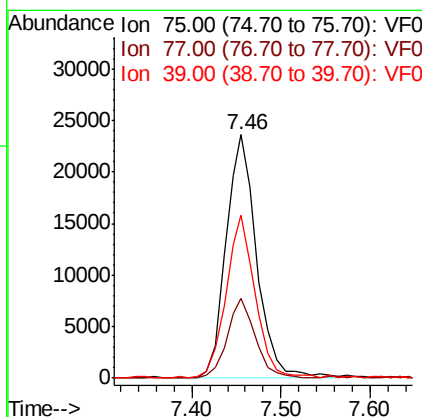
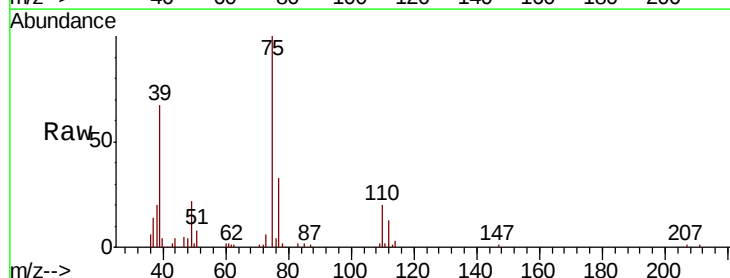
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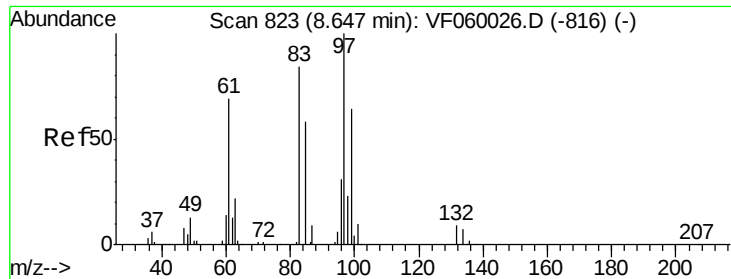
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#54
cis-1,3-Dichloropropene
Concen: 21.24 ug/l
RT: 7.46 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion: 75 Resp: 56898
Ion Ratio Lower Upper
75 100
77 32.8 24.6 37.0
39 66.7 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 20.30 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

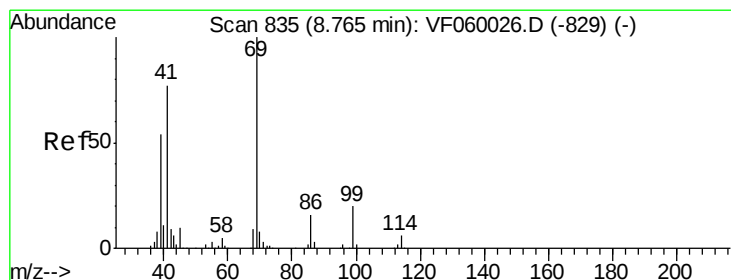
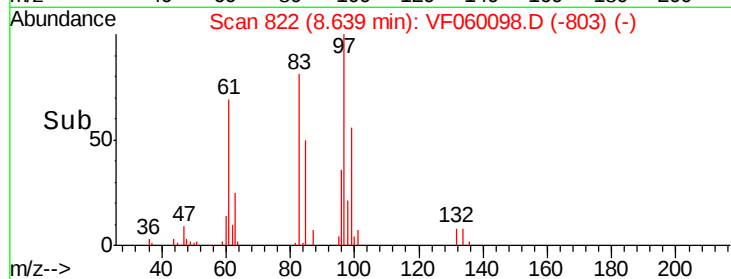
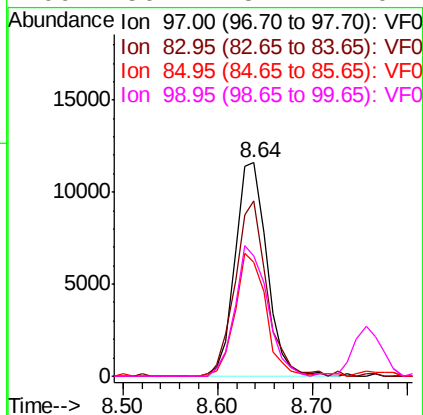
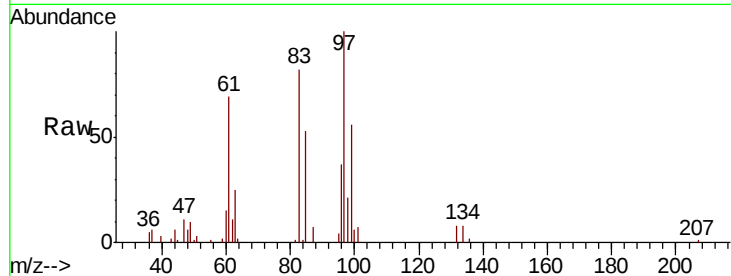
ClientSampleId :

VF0824SBS01

Tot Ion:	97	Resp:	27115
Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.4	101.2
85	53.1	46.2	69.2
99	56.1	51.1	76.7

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#56

Ethyl methacrylate

Concen: 17.25 ug/l

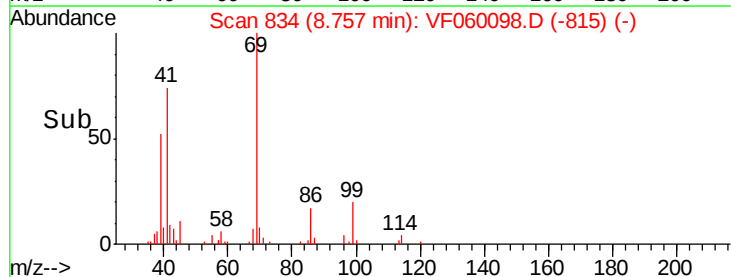
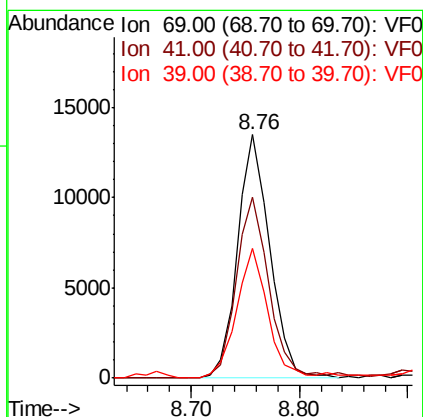
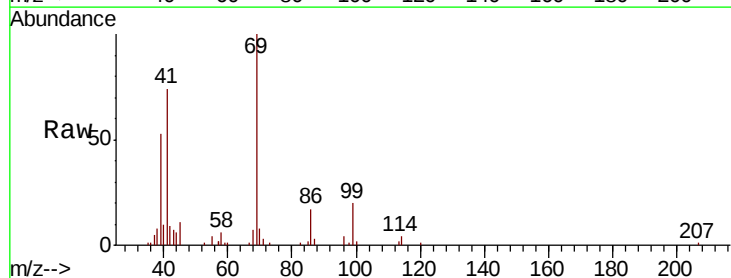
RT: 8.76 min Scan# 834

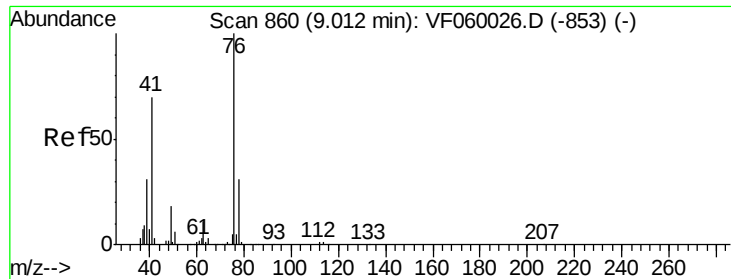
Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tgt Ion:	69	Resp:	27891
Ion	Ratio	Lower	Upper
69	100		
41	74.3	61.6	92.4
39	53.1	43.9	65.9





#57

1,3-Dichloropropane

Concen: 19.30 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 76 Resp: 45298

Ion Ratio Lower Upper

76 100

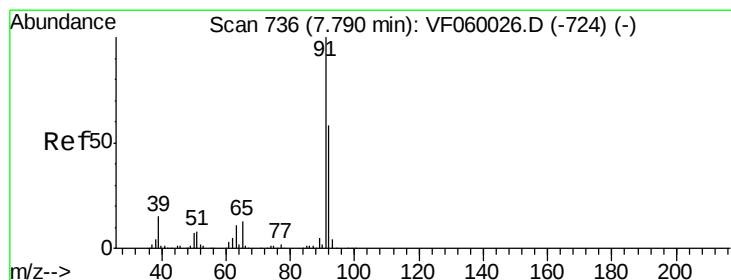
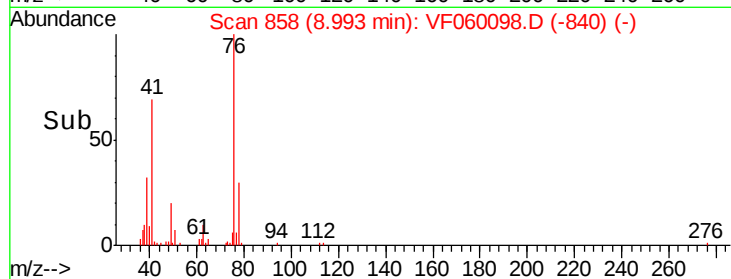
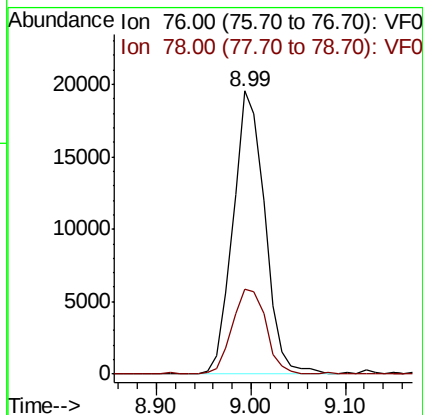
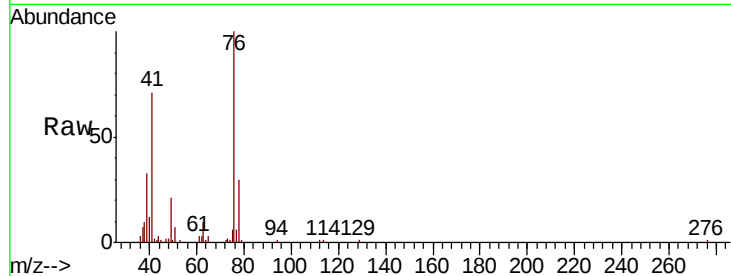
78 29.8 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 115.46 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060098.D

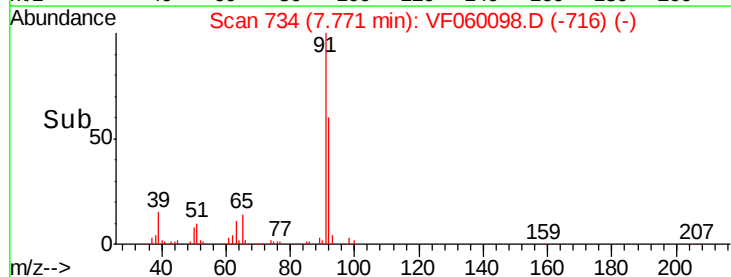
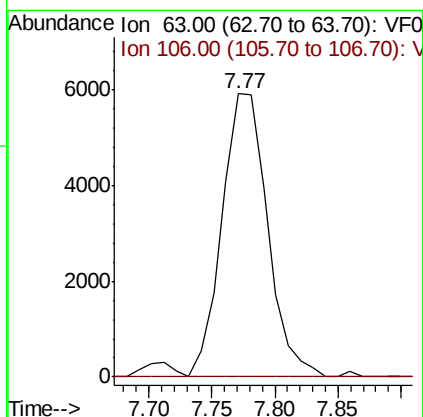
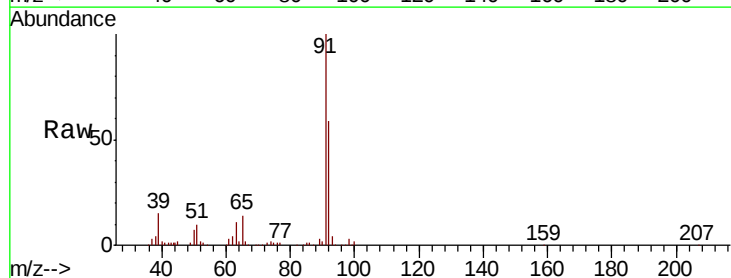
Acq: 24 Aug 2018 14:24

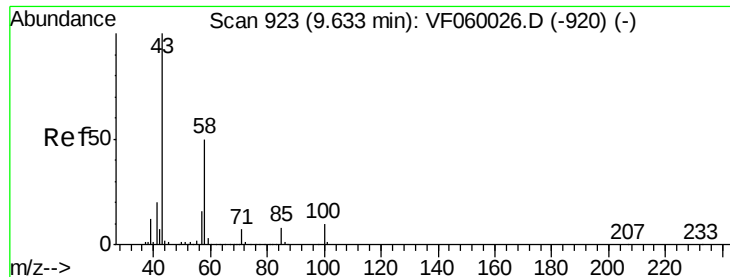
Tgt Ion: 63 Resp: 14816

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





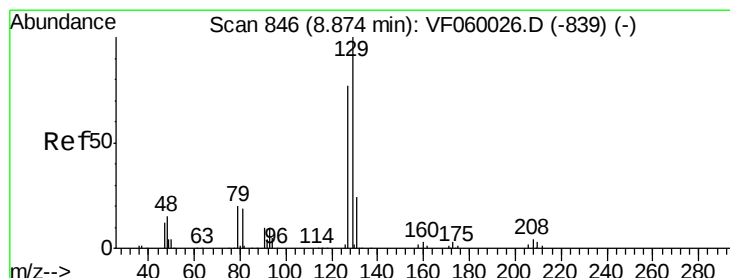
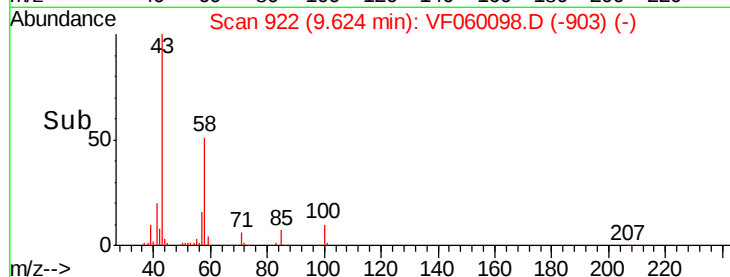
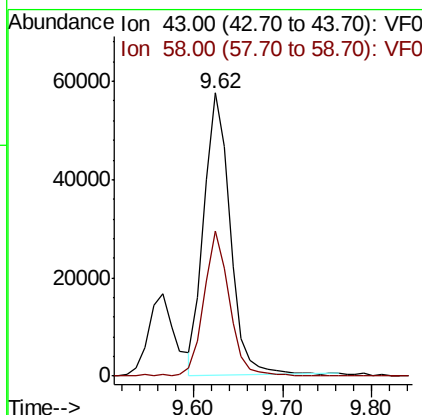
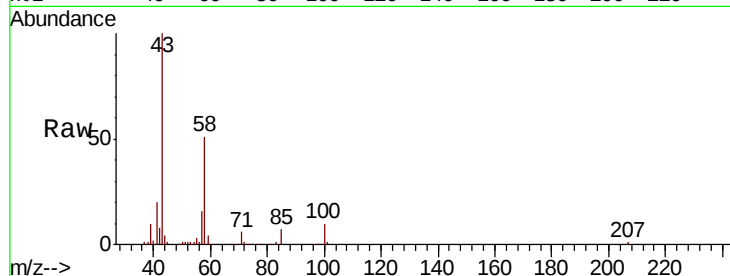
#59
2-Hexanone
Concen: 97.34 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion: 43 Resp: 116042
Ion Ratio Lower Upper
43 100
58 51.3 23.4 70.2

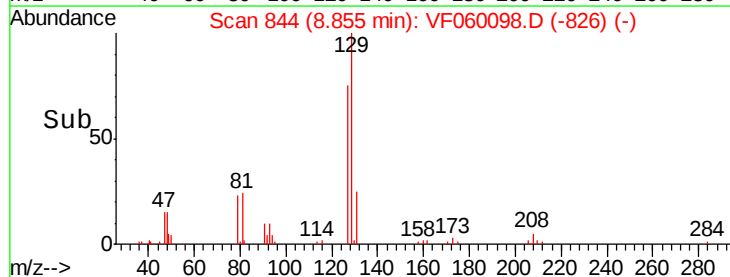
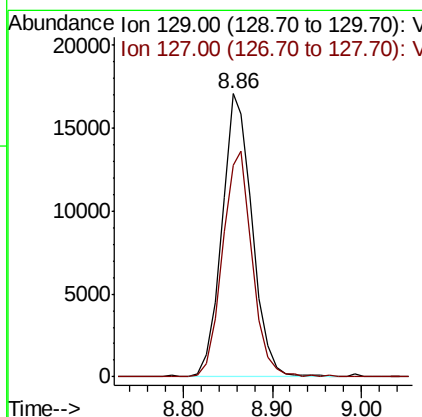
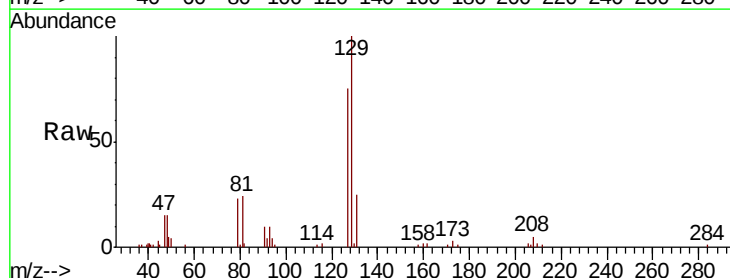
Manual Integrations
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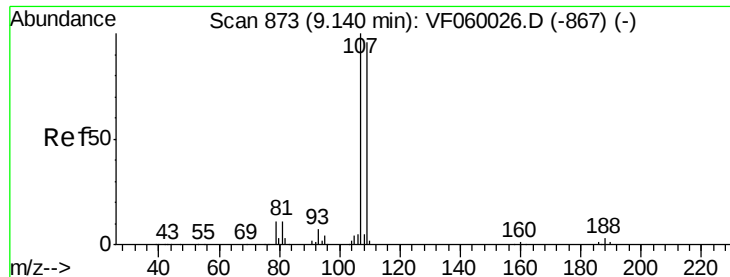
apatel
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#60
Dibromochloromethane
Concen: 20.58 ug/l
RT: 8.86 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion: 129 Resp: 40571
Ion Ratio Lower Upper
129 100
127 75.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.67 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBSD01

Tot Ion:107 Resp: 30850

Ion Ratio Lower Upper

107 100

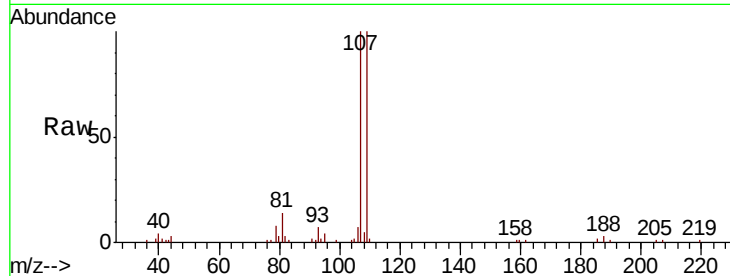
109 99.7 76.5 114.7

Manual Integrations

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

15000

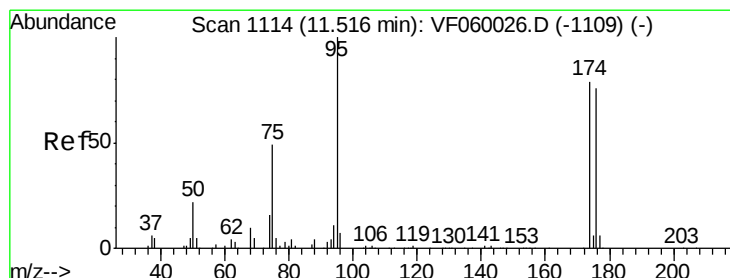
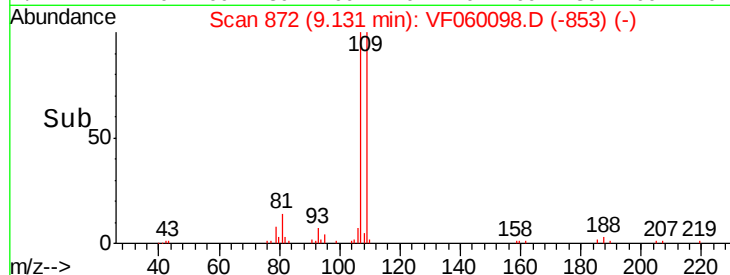
10000

5000

0

9.10 9.13 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 59.77 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

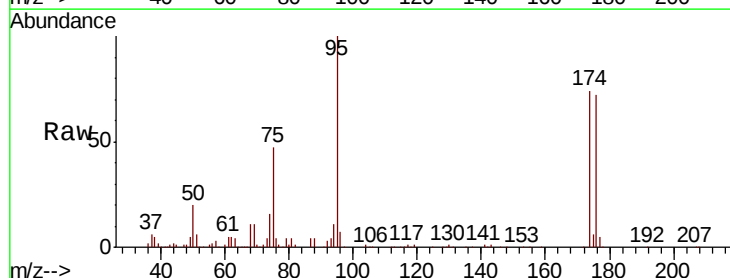
Tgt Ion: 95 Resp: 170030

Ion Ratio Lower Upper

95 100

174 74.2 0.0 158.4

176 71.9 0.0 153.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

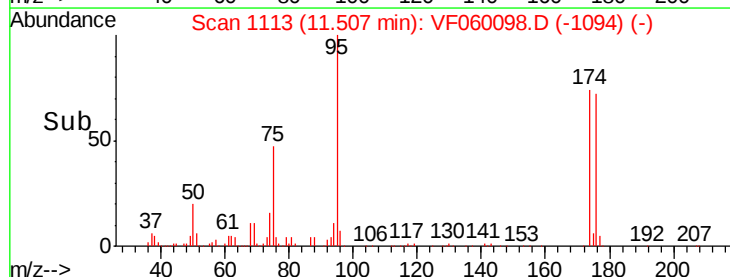
100000

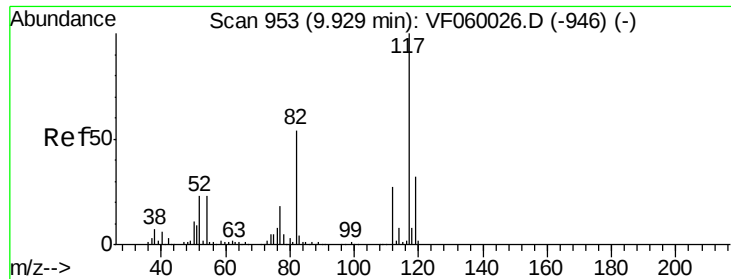
50000

0

11.40 11.51 11.60

Time-->





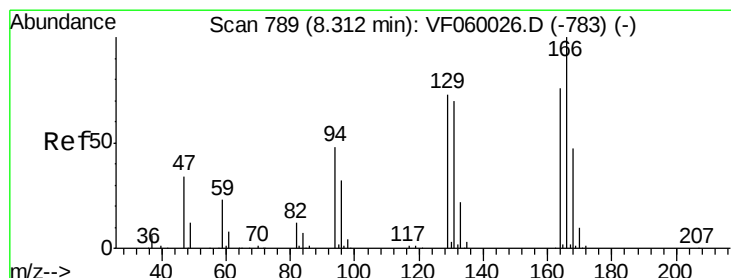
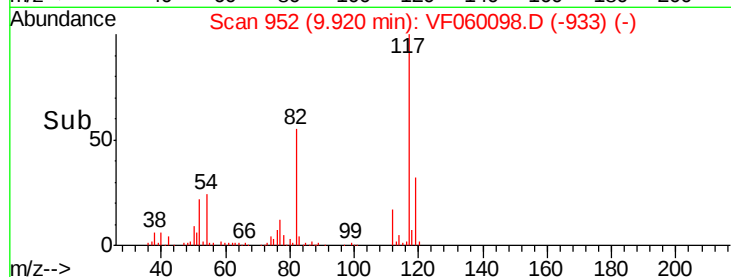
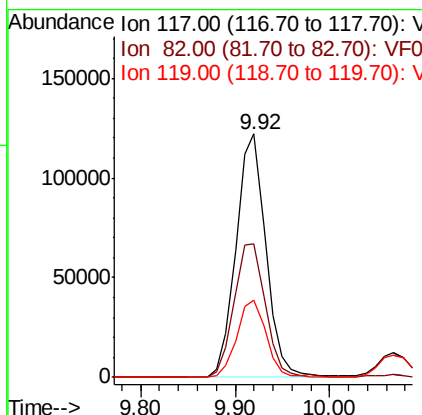
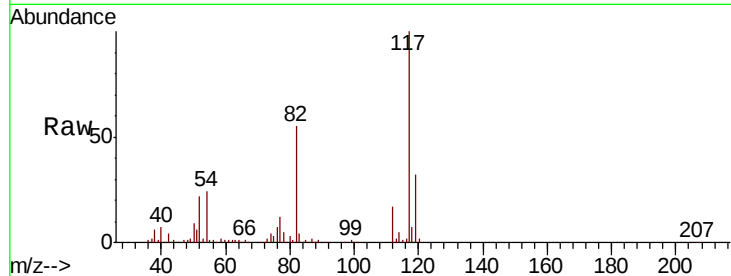
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	267458		
82	55.0		43.6	65.4
119	31.8		25.6	38.4

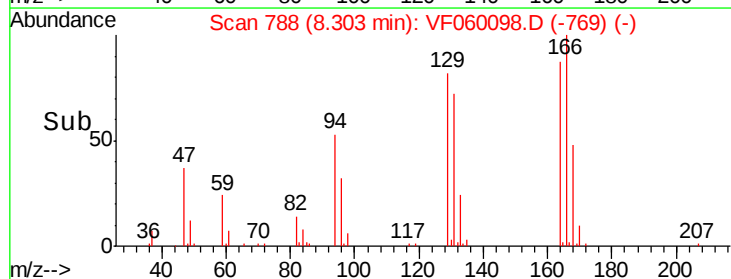
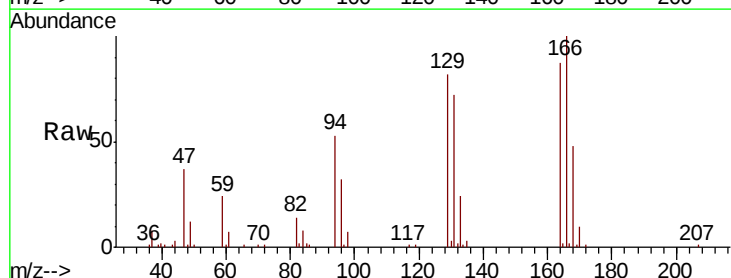
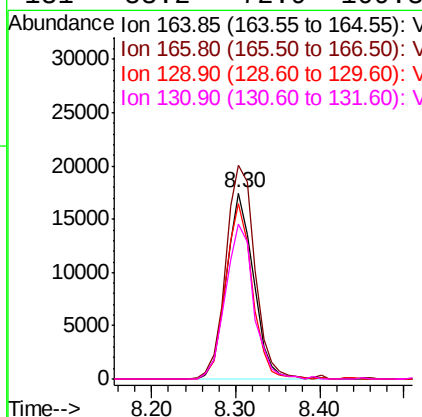
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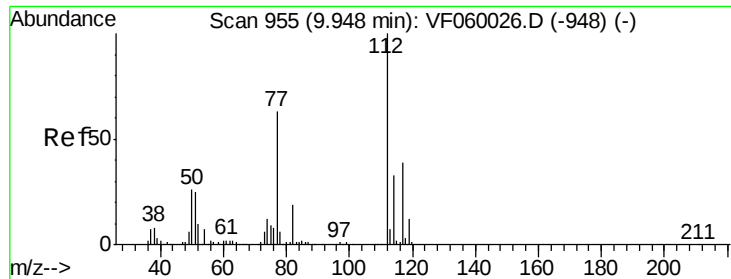
apatel
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#64
Tetrachloroethene
Concen: 21.84 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39353		
166	114.8		104.7	157.1
129	94.4		77.0	115.4
131	83.2		72.9	109.3





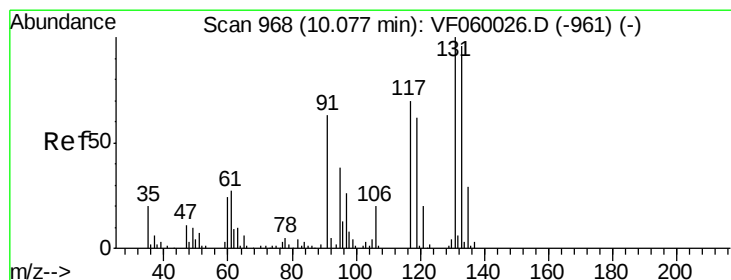
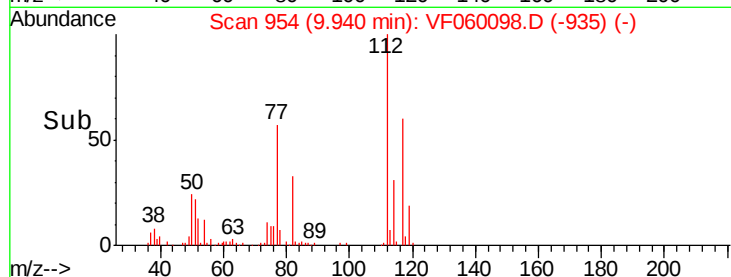
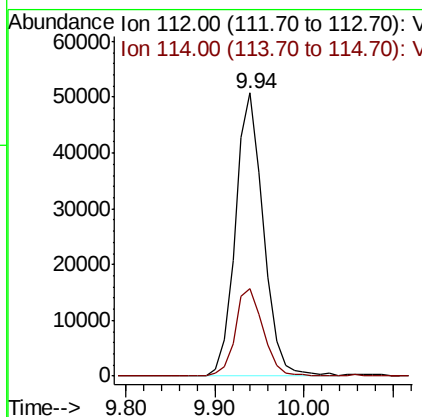
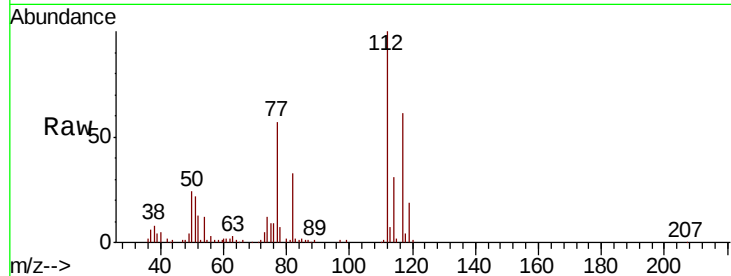
#65
Chlorobenzene
Concen: 21.99 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	26.2	39.2

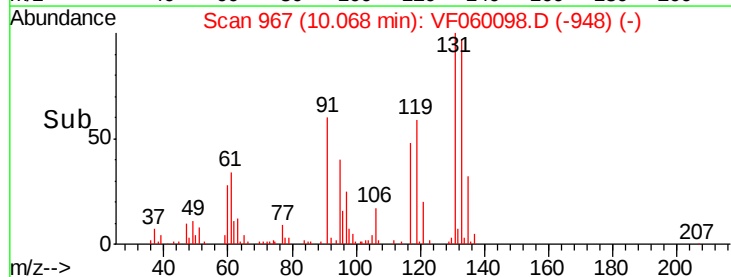
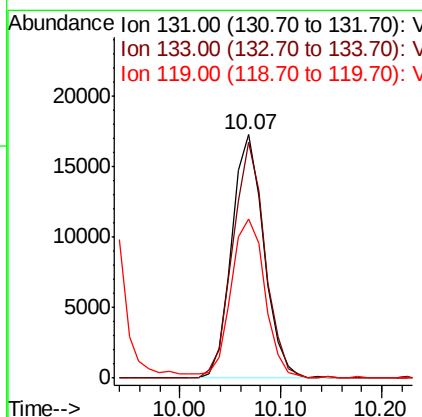
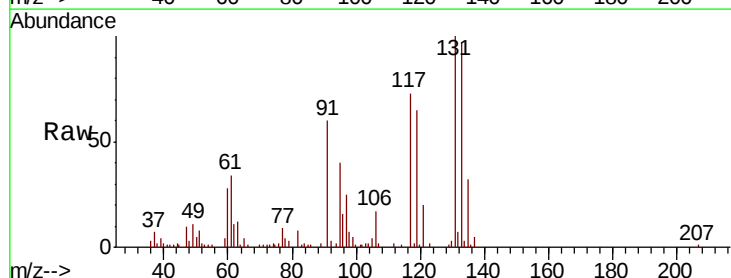
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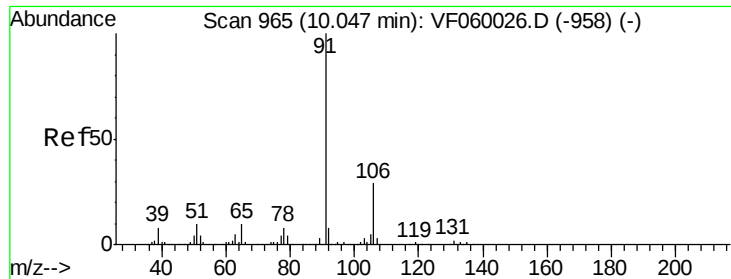
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.97 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.2	144.6
119	65.3	31.4	94.2





#67

Ethyl Benzene

Concen: 23.41 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 91 Resp: 203999

Ion Ratio Lower Upper

91 100

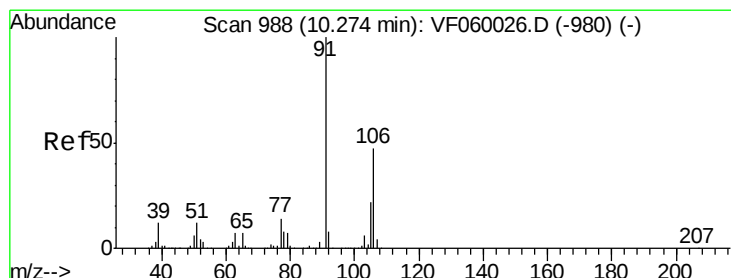
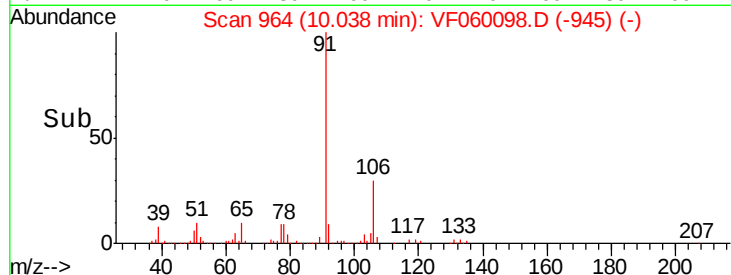
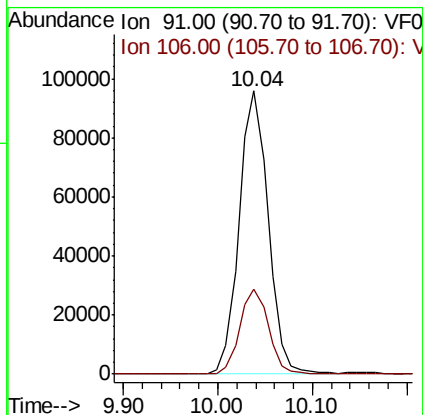
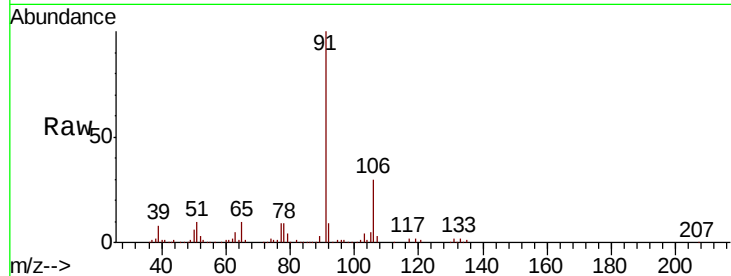
106 30.1 23.6 35.4

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#68

m/p-Xylenes

Concen: 48.81 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF060098.D

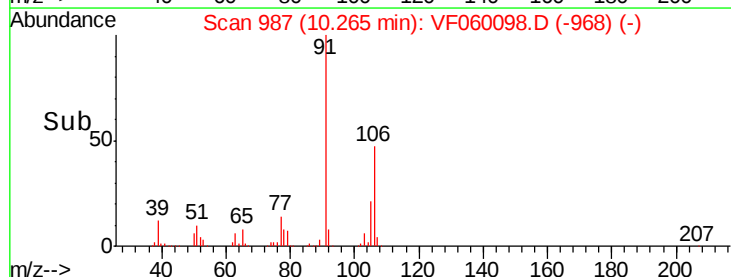
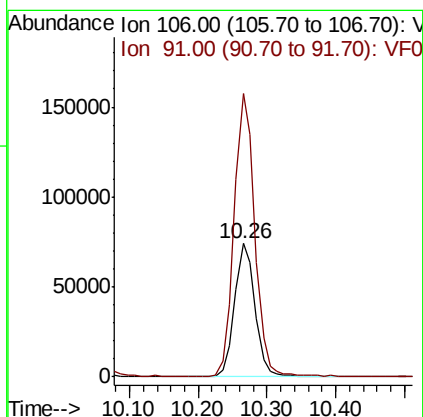
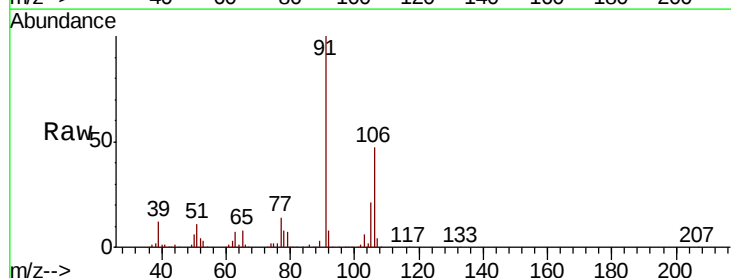
Acq: 24 Aug 2018 14:24

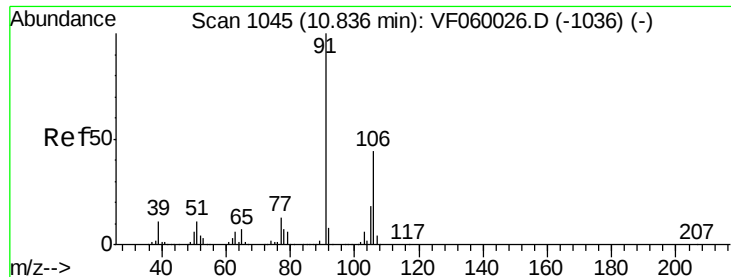
Tgt Ion: 106 Resp: 152907

Ion Ratio Lower Upper

106 100

91 212.2 171.8 257.8





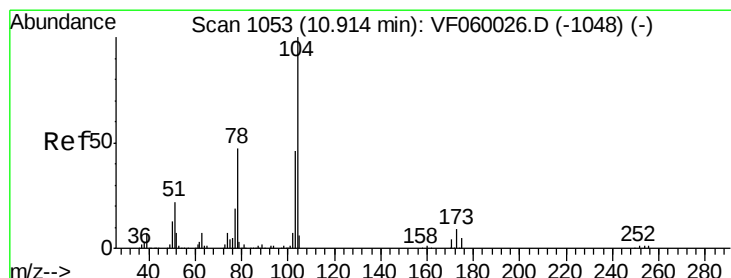
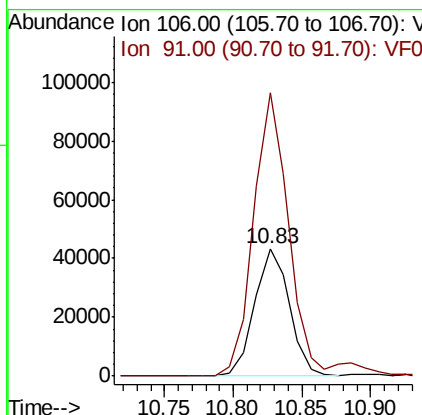
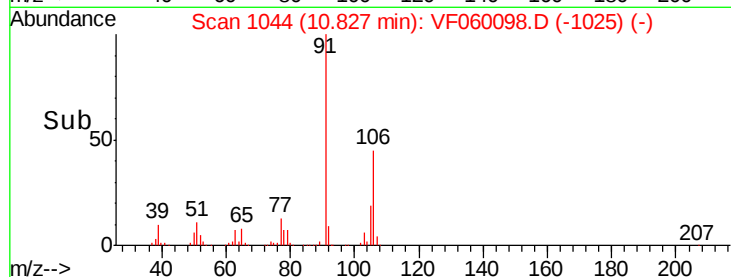
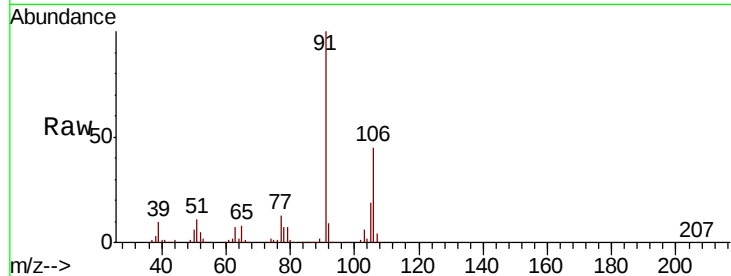
#69
o-Xylene
Concen: 22.54 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.9	112.5	337.5

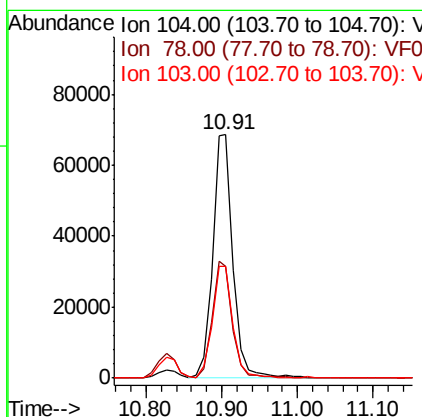
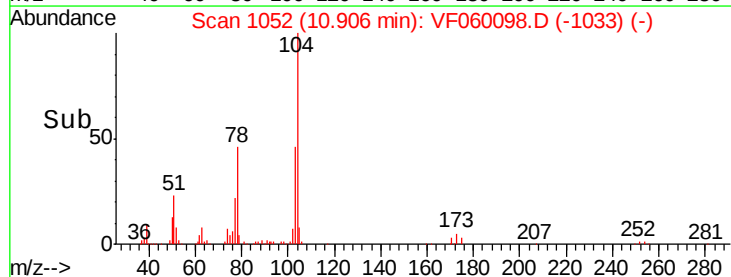
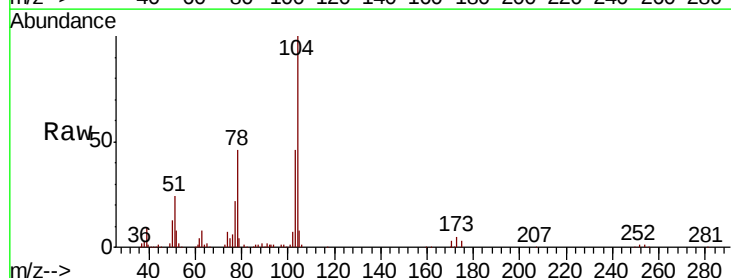
Manual Integrations
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#70
Styrene
Concen: 24.77 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.0	38.0	57.0
103	45.8	37.6	56.4





#71

Bromoform

Concen: 18.49 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion:173 Resp: 24712

Ion Ratio Lower Upper

173 100

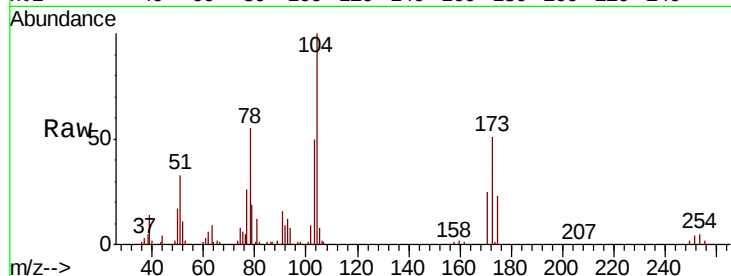
175 45.8 24.7 74.1

254 0.0 0.0 0.0

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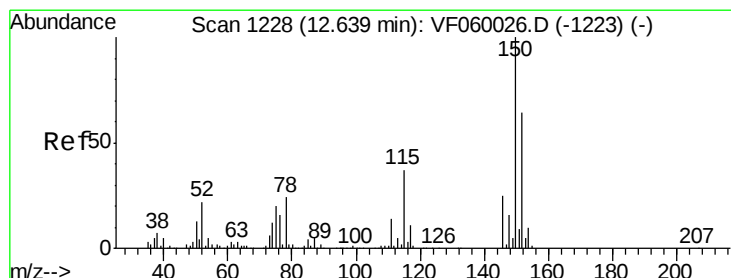
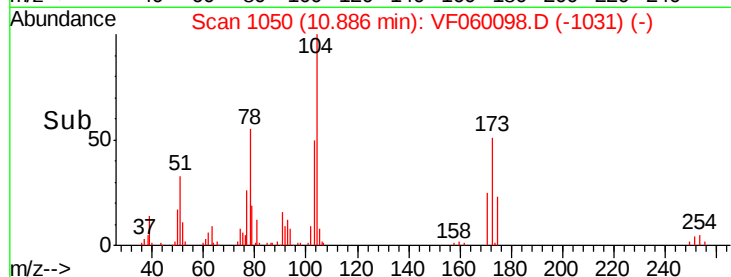
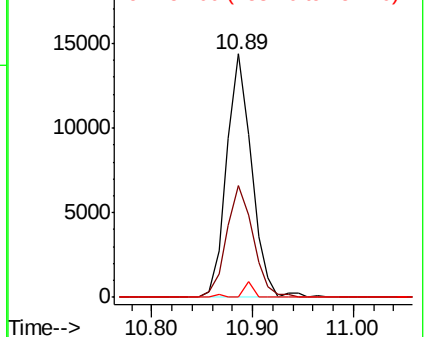


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

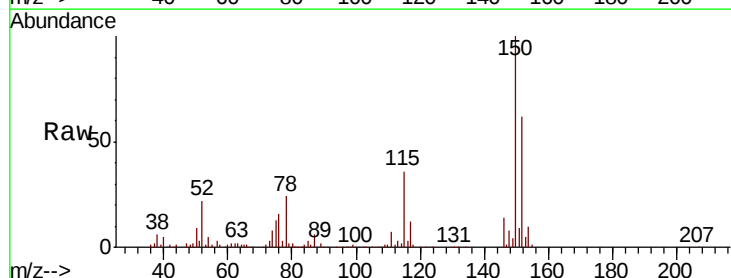
Tgt Ion:152 Resp: 166125

Ion Ratio Lower Upper

152 100

115 58.9 28.6 85.9

150 162.0 0.0 312.0

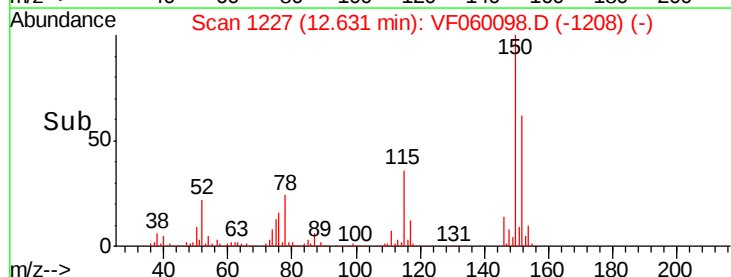
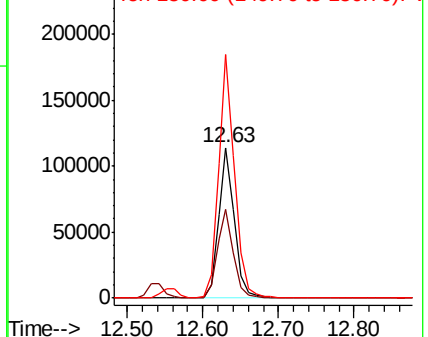


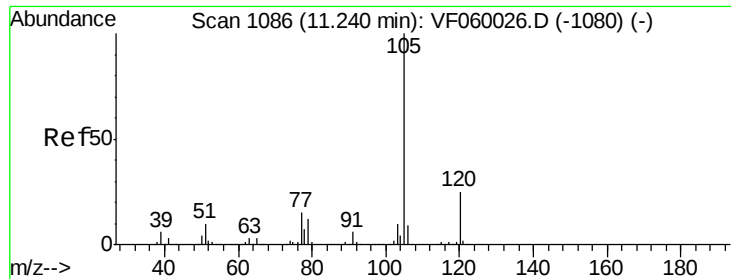
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.85 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 105 Resp: 238515

Ion Ratio Lower Upper

105 100

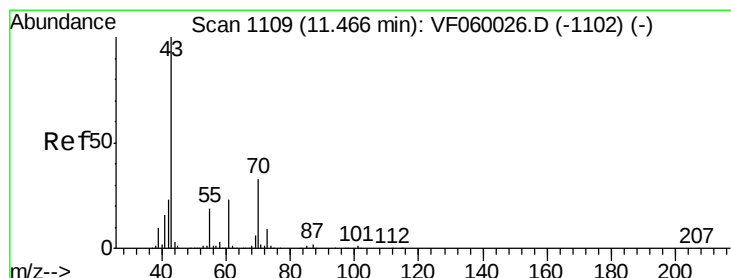
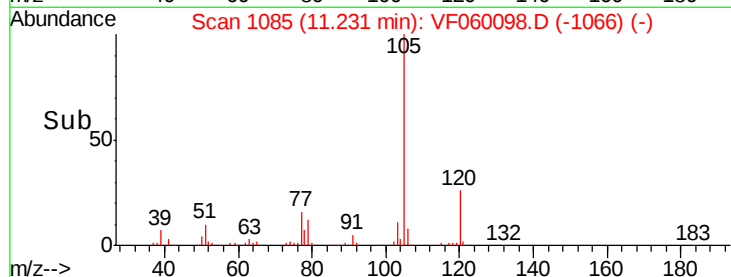
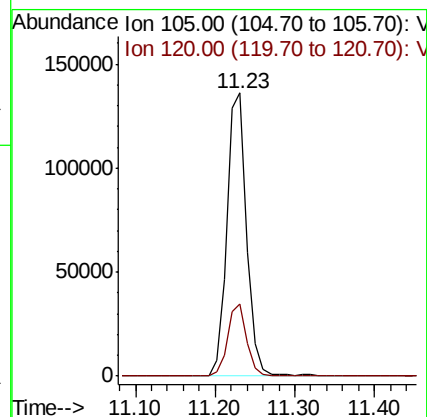
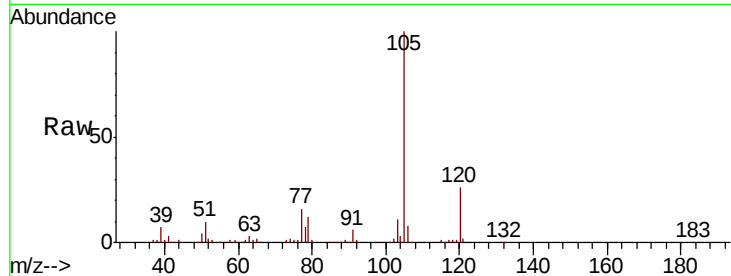
120 25.6 12.7 38.0

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#74

N-ethyl acetate

Concen: 17.17 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tgt Ion: 43 Resp: 53378

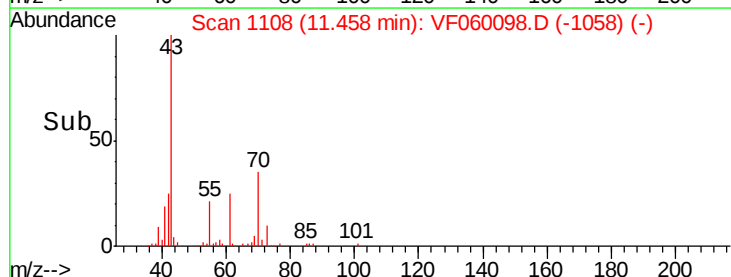
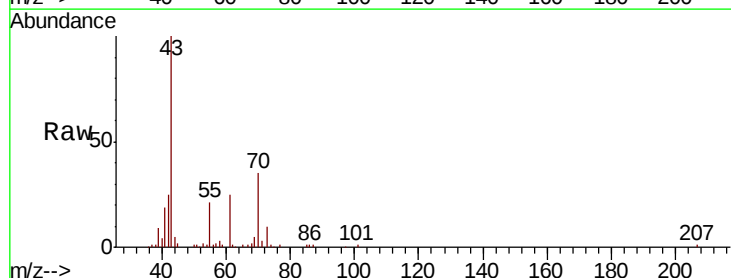
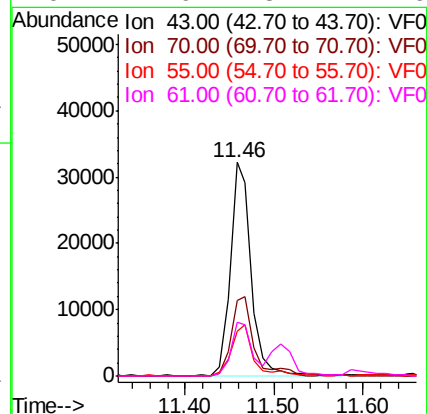
Ion Ratio Lower Upper

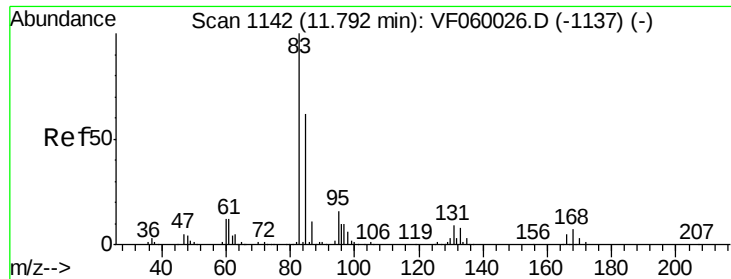
43 100

70 35.2 26.4 39.6

55 20.7 15.0 22.4

61 24.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.45 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

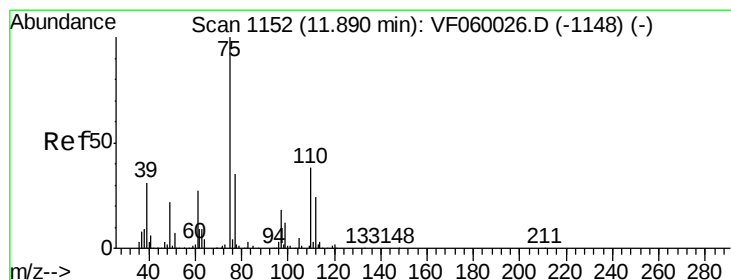
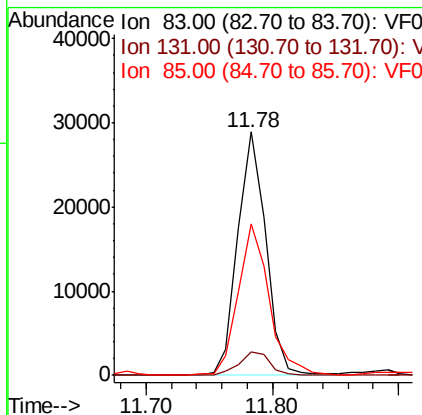
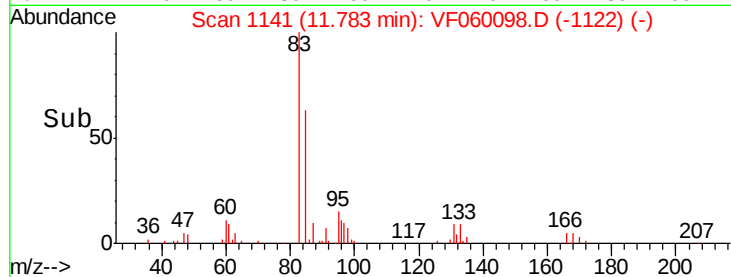
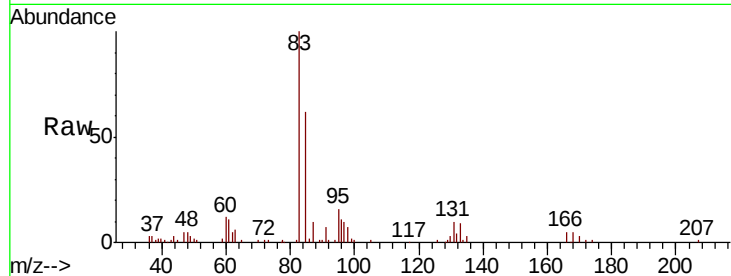
ClientSampleId :

VF0824SBS01

Tot Ion:	83	Resp:	44654
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.5	13.7
85	62.5	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.90 ug/l

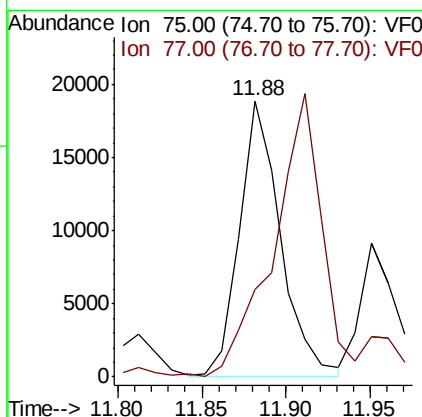
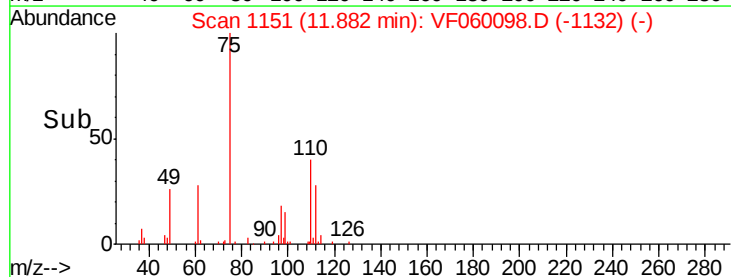
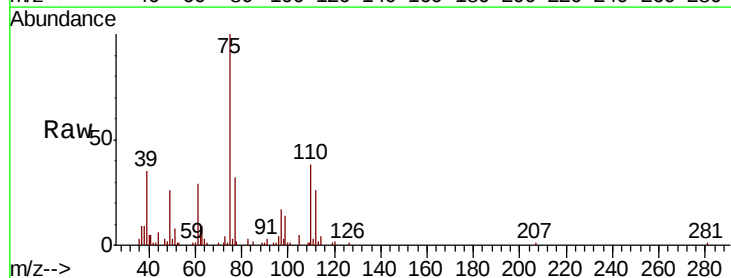
RT: 11.88 min Scan# 1151

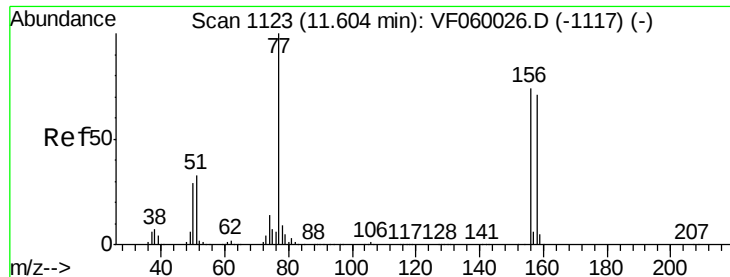
Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tgt Ion:	75	Resp:	32010
Ion Ratio	Lower	Upper	
75	100		
77	31.6	17.3	52.0





#77

Bromobenzene

Concen: 21.69 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion:156 Resp: 58989

Ion Ratio Lower Upper

156 100

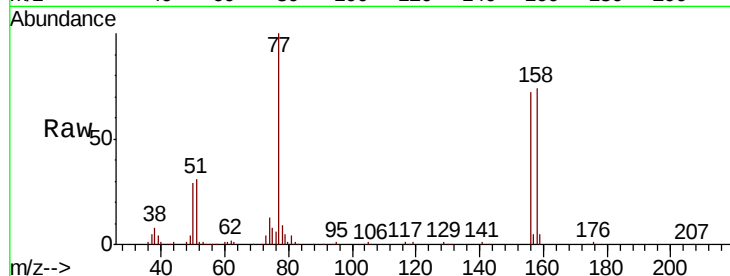
77 139.9 68.0 204.0

158 103.8 48.4 145.3

Manual Integrations
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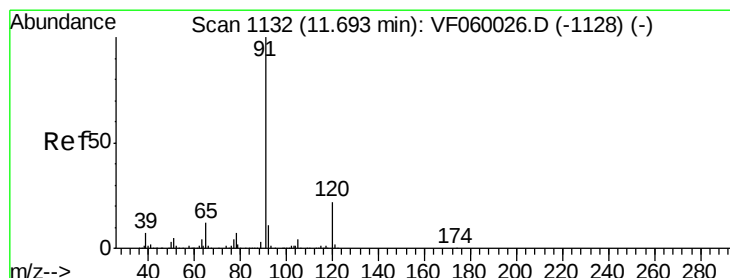
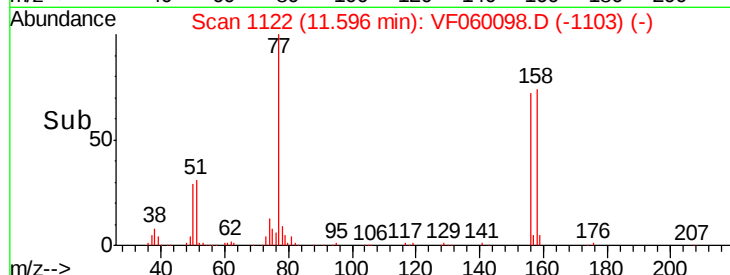
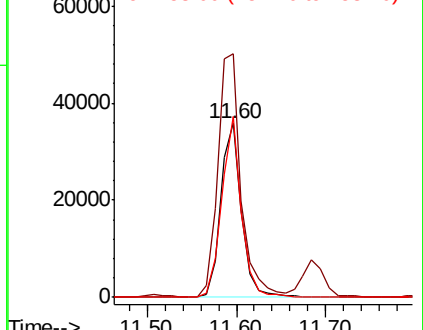
8/27/2018 3:22:06 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 25.48 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060098.D

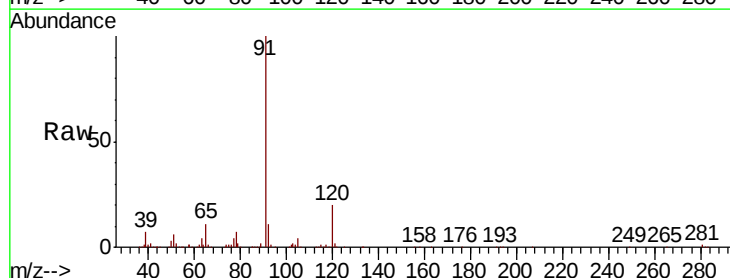
Acq: 24 Aug 2018 14:24

Tgt Ion: 91 Resp: 314475

Ion Ratio Lower Upper

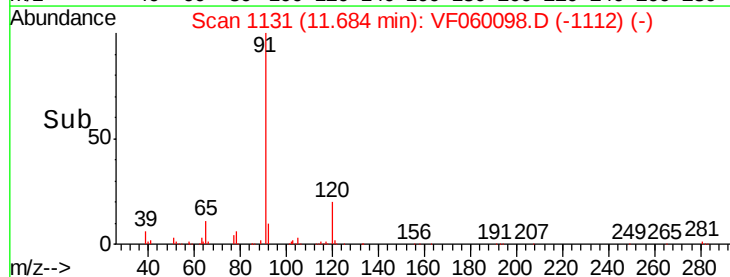
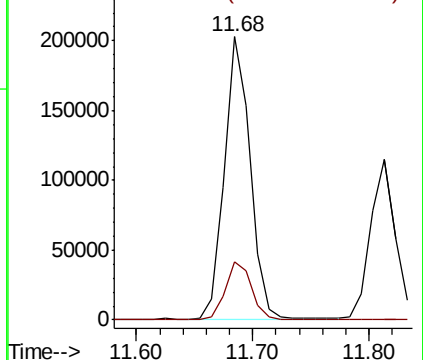
91 100

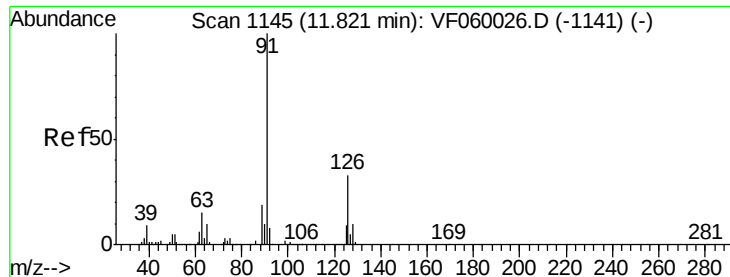
120 20.4 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.52 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 91 Resp: 170691

Ion Ratio Lower Upper

91 100

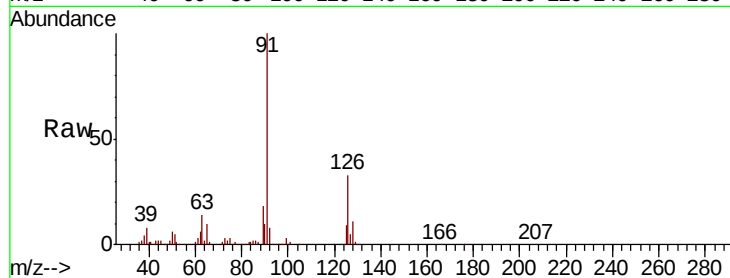
126 32.9 16.6 49.7

Manual Integrations

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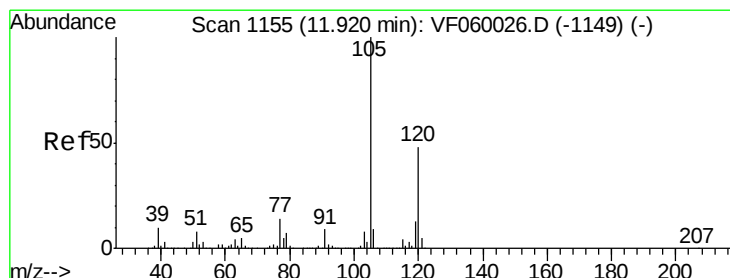
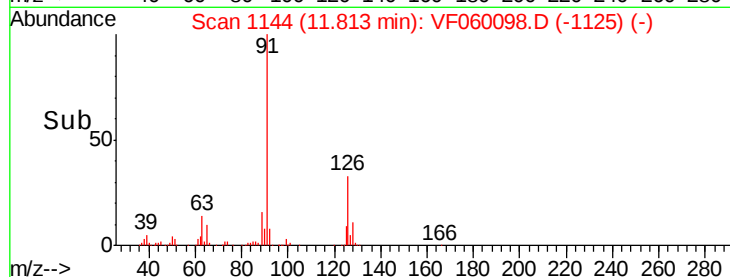
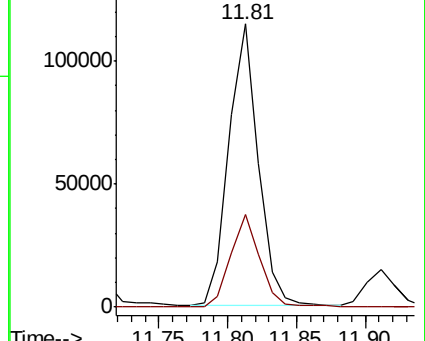
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 24.00 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF060098.D

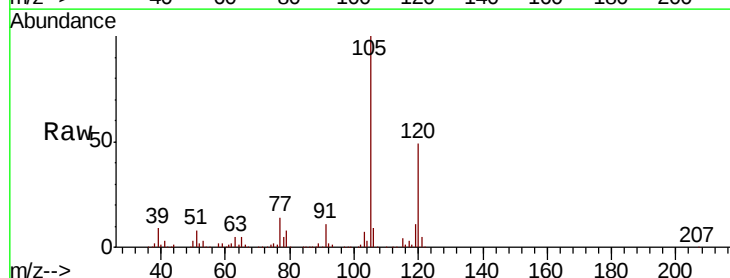
Acq: 24 Aug 2018 14:24

Tgt Ion:105 Resp: 209112

Ion Ratio Lower Upper

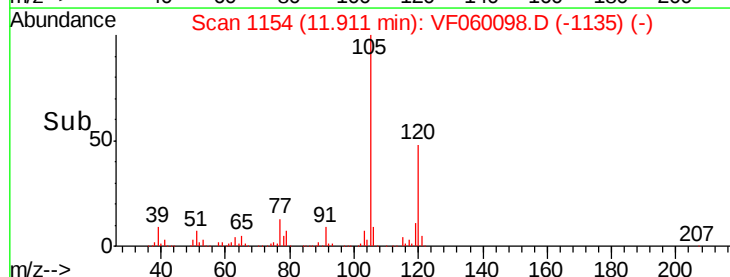
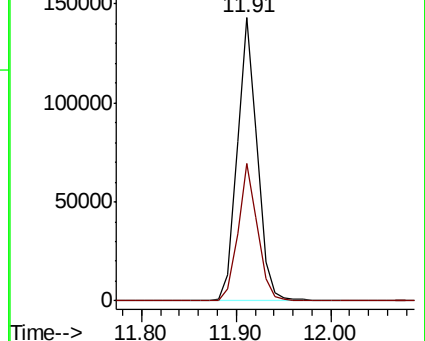
105 100

120 48.7 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





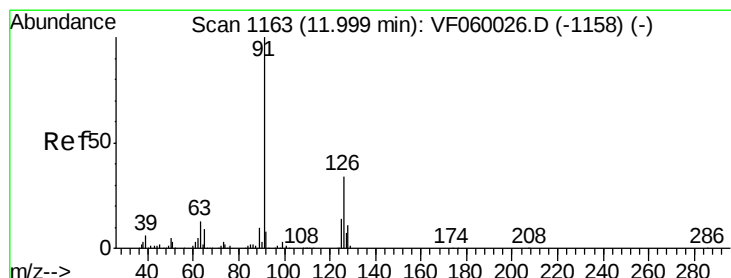
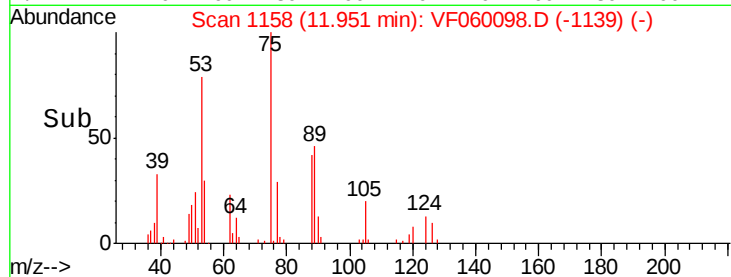
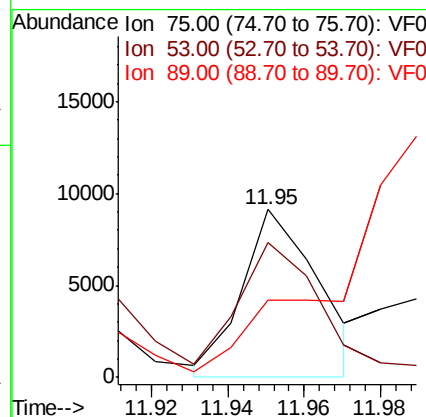
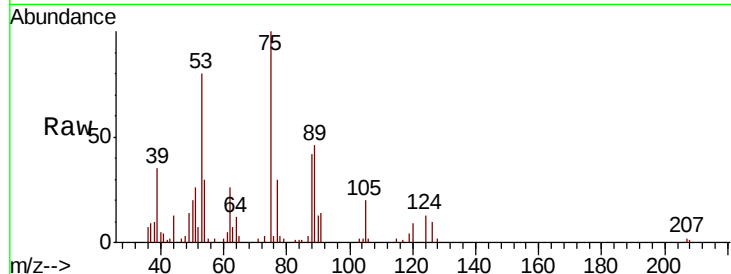
#81
trans-1,4-Dichloro-2-butene
Concen: 16.41 ug/l m
RT: 11.95 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.0	66.2	99.4
89	46.2	42.8	64.2

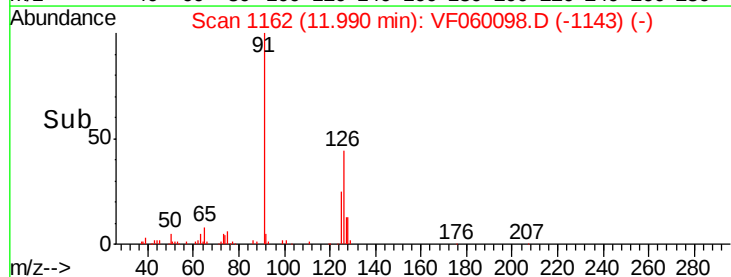
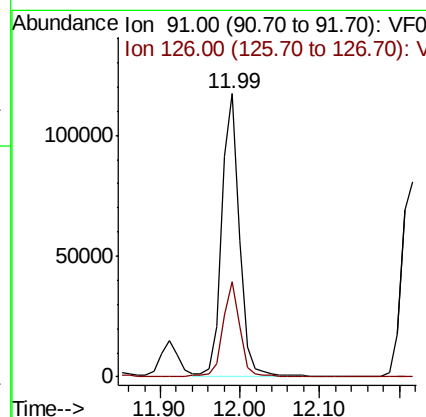
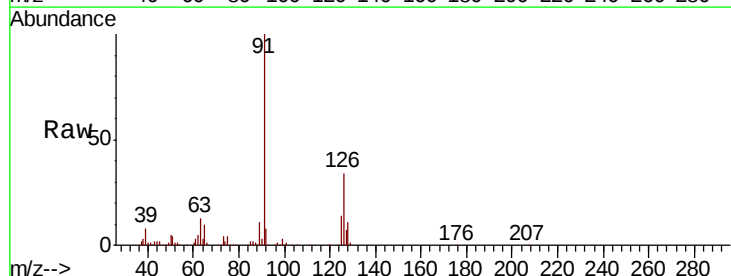
Manual Integrations
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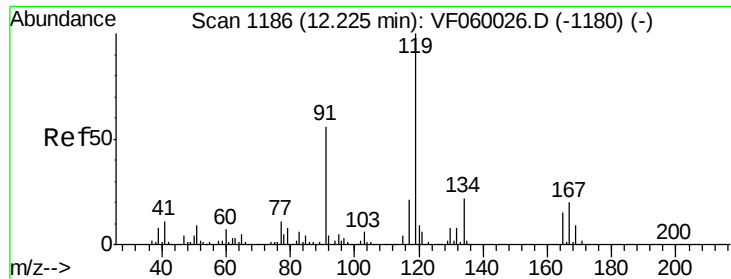
apatel
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#82
4-Chlorotoluene
Concen: 23.38 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.0	50.9





#83

tert-Butylbenzene

Concen: 23.71 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

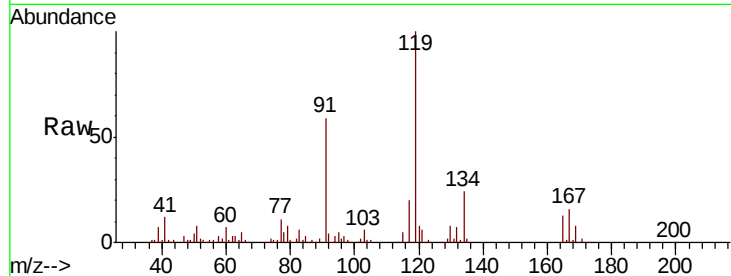
ClientSampleId :

VF0824SBS01

Tot Ion:	119	Resp:	201434
Ion Ratio	Lower	Upper	
119	100		
91	59.2	28.1	84.3
134	23.9	11.1	33.3

Manual Integrations
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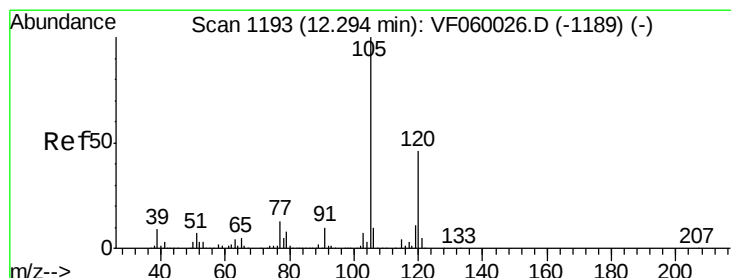
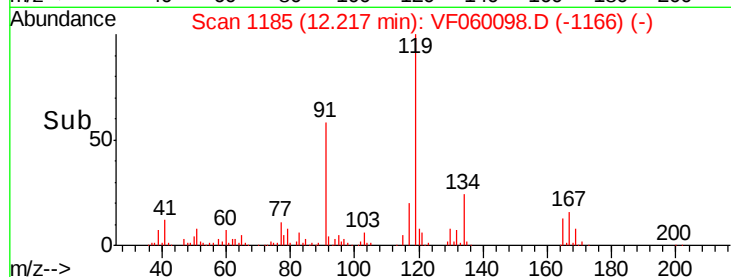
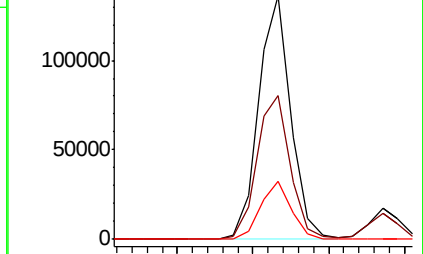
apatel
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.08 ug/l

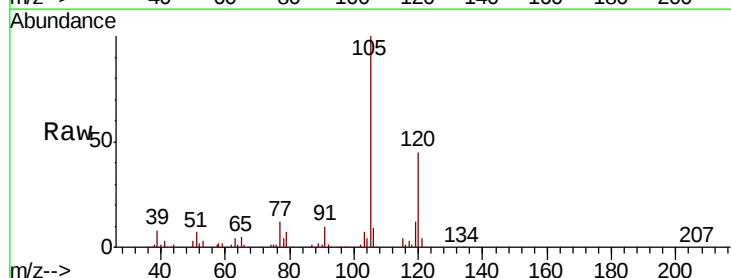
RT: 12.29 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060098.D

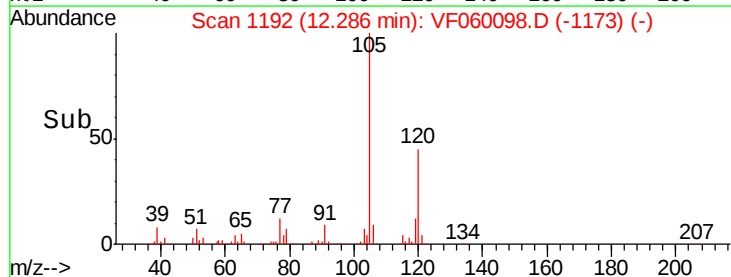
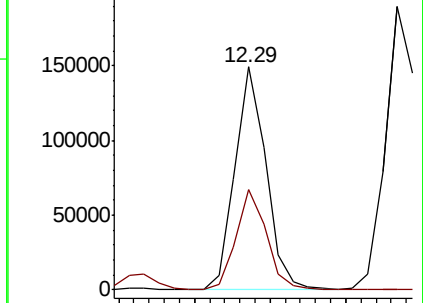
Acq: 24 Aug 2018 14:24

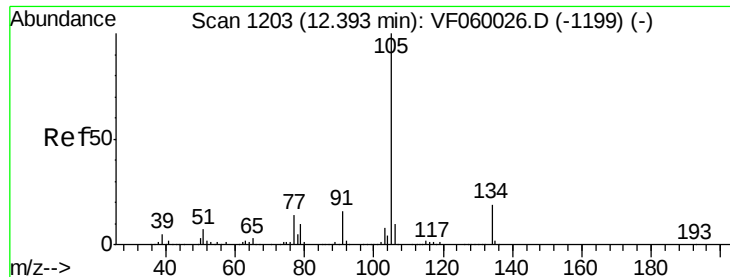
Tgt Ion:	105	Resp:	213806
Ion Ratio	Lower	Upper	
105	100		
120	45.0	23.3	69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 23.76 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion:105 Resp: 281104

Ion Ratio Lower Upper

105 100

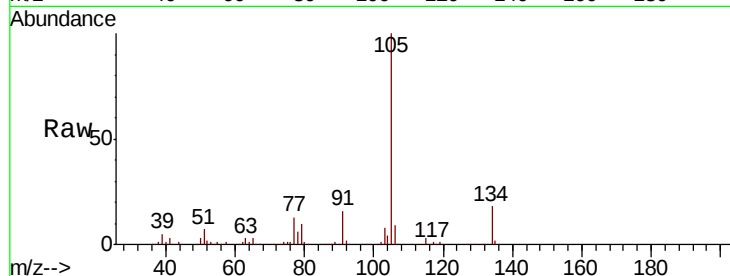
134 17.8 9.3 27.9

Manual Integrations

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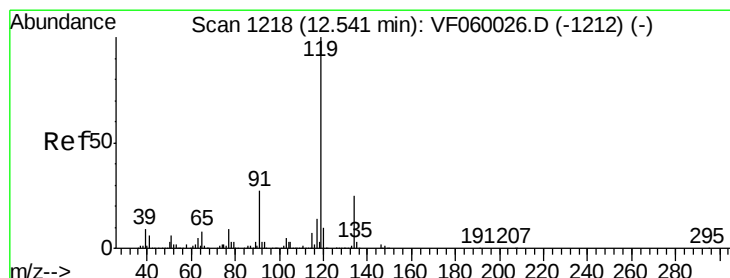
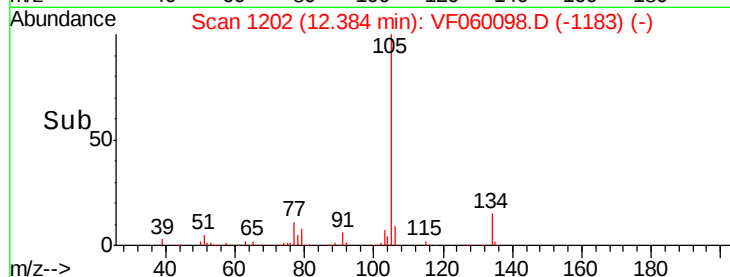
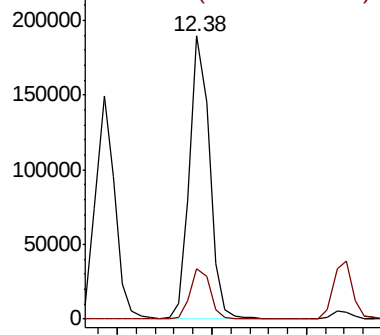
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.98 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

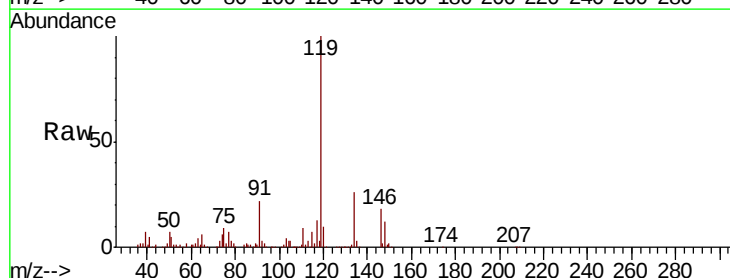
Tgt Ion:119 Resp: 235380

Ion Ratio Lower Upper

119 100

134 25.8 12.4 37.2

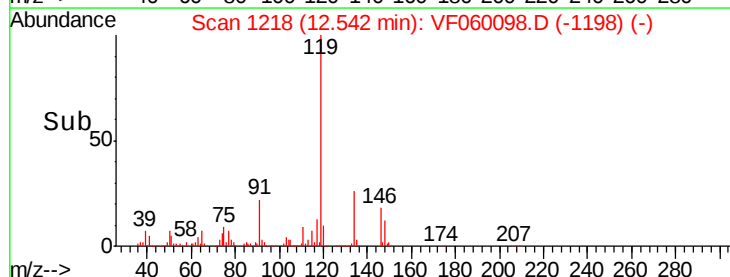
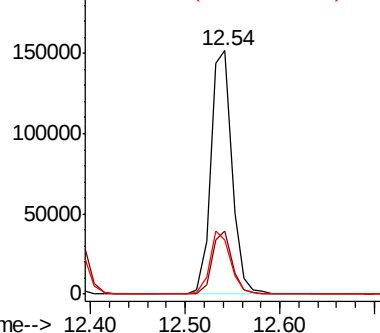
91 22.1 13.5 40.4

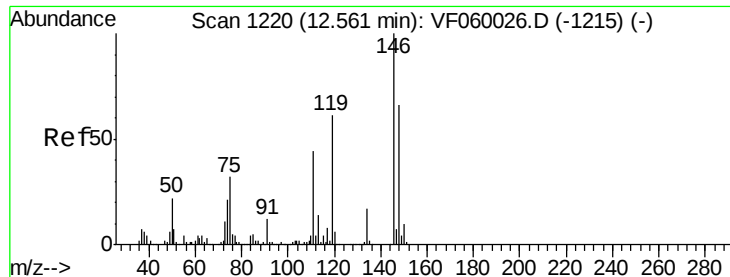


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 23.48 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

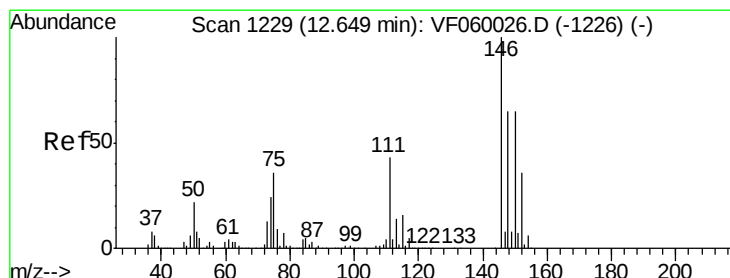
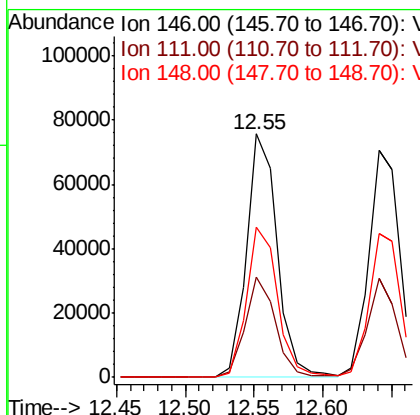
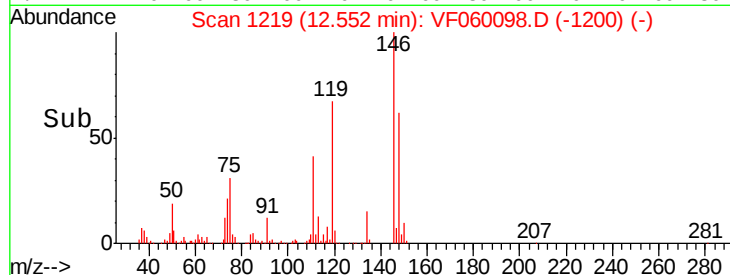
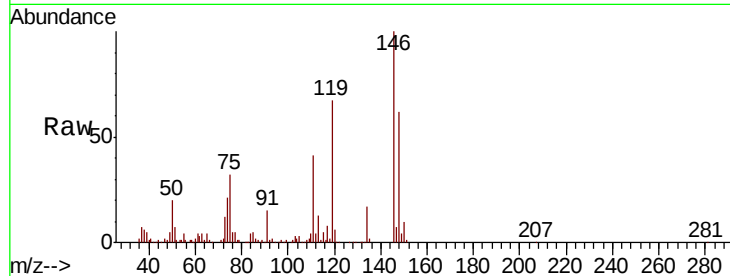
ClientSampleId :

VF0824SBSD01

Tot Ion:	146	Resp:	118060
Ion Ratio	Lower	Upper	
146	100		
111	41.4	21.9	65.5
148	61.9	32.9	98.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 22.50 ug/l

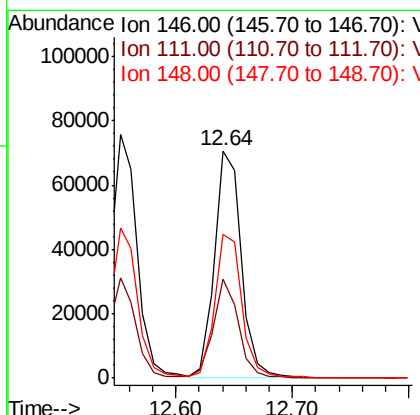
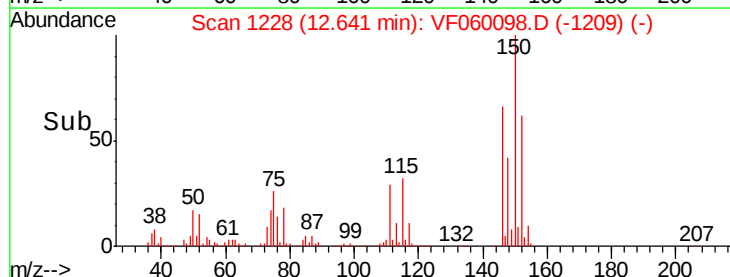
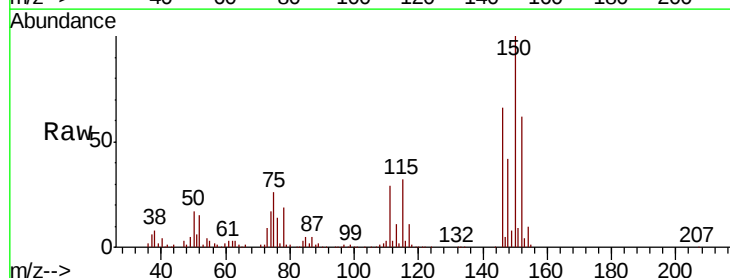
RT: 12.64 min Scan# 1228

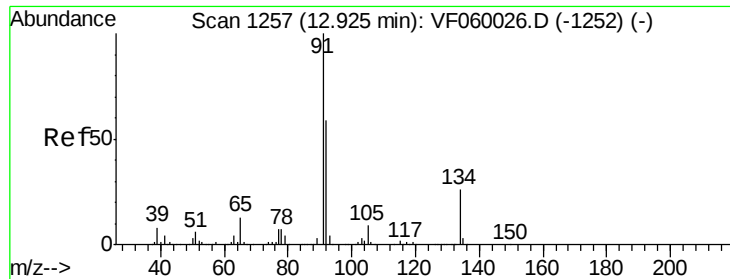
Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tgt Ion:	146	Resp:	112439
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.6	64.8
148	63.3	32.3	96.8





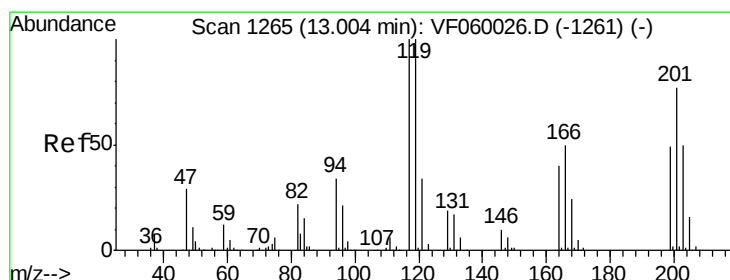
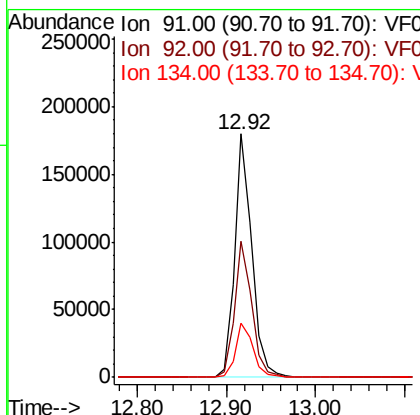
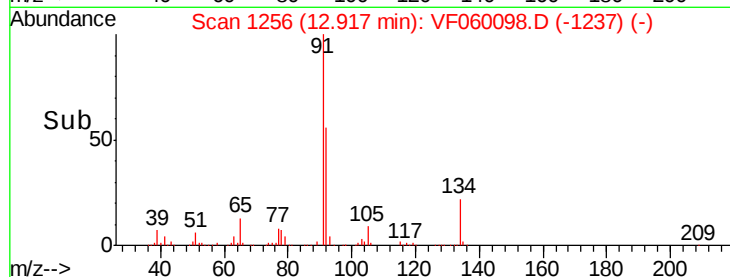
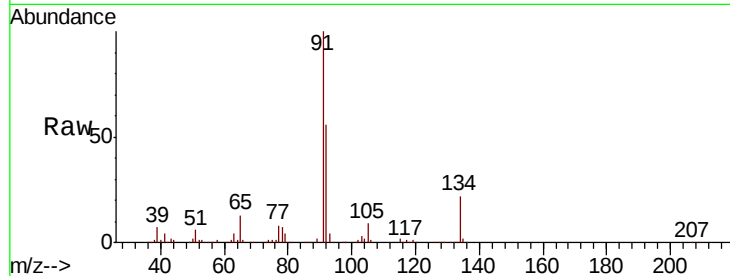
#89
n-Butylbenzene
Concen: 25.83 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	246318		
92	55.6	29.3	87.9	
134	22.4	12.8	38.3	

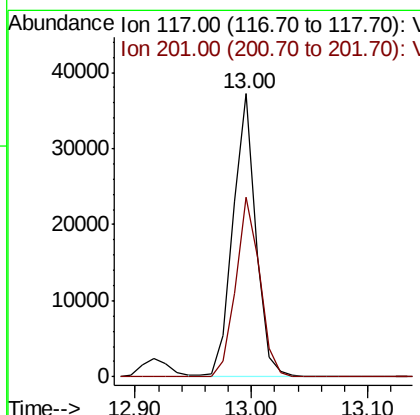
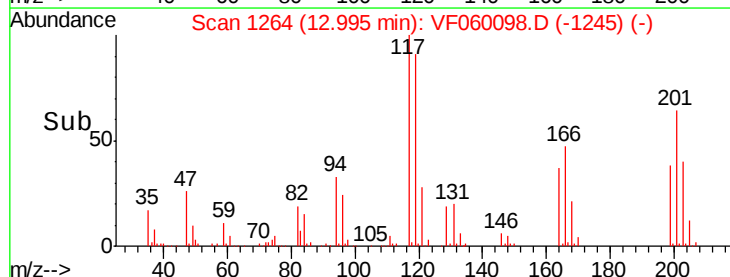
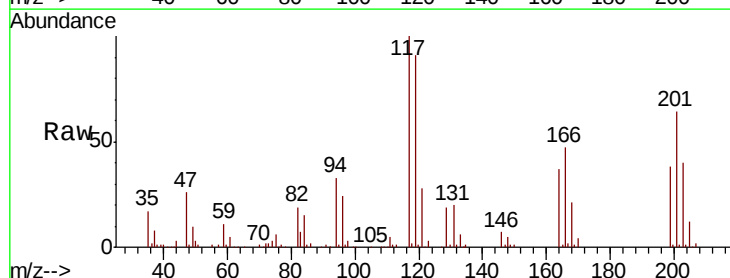
Manual Integrations
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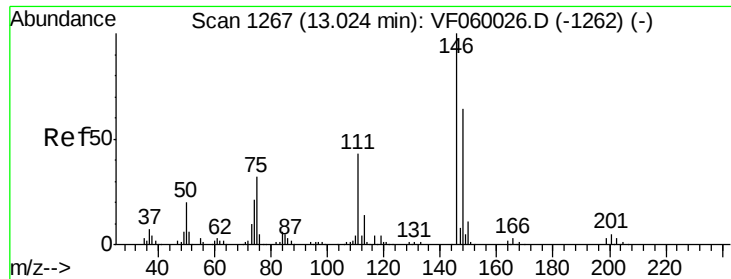
apatel
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#90
Hexachloroethane
Concen: 23.07 ug/l
RT: 13.00 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	50887		
201	63.6	38.6	115.8	





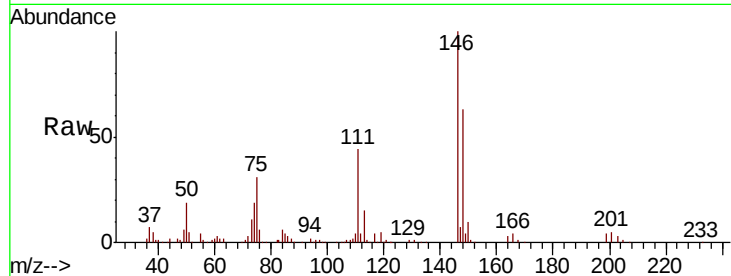
#91
 1,2-Dichlorobenzene
 Concen: 22.14 ug/l
 RT: 13.02 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	64.6
148	62.7	32.3	96.8

Manual Integrations
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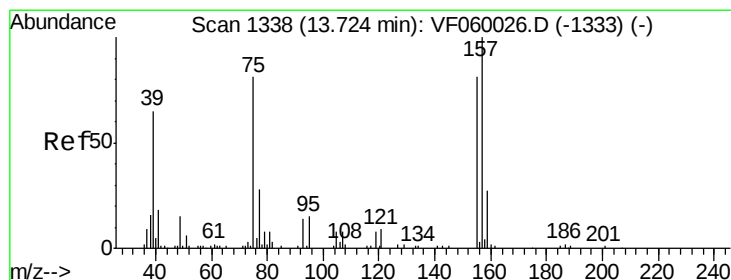
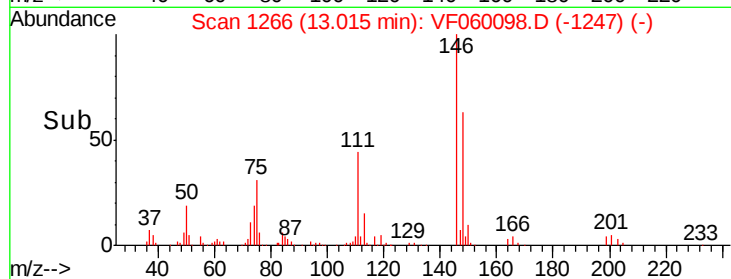
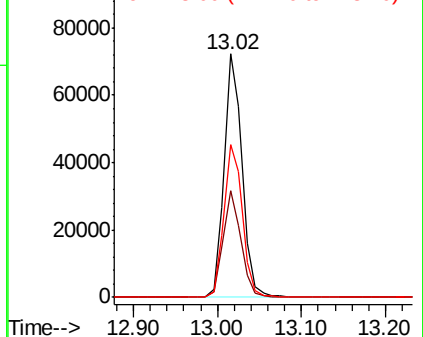


Abundance

Ion 146.00 (145.70 to 146.70): V

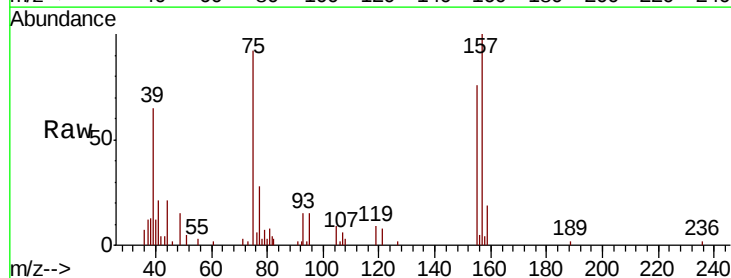
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.85 ug/l
 RT: 13.72 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	49.8	149.3
157	113.5	61.6	184.7

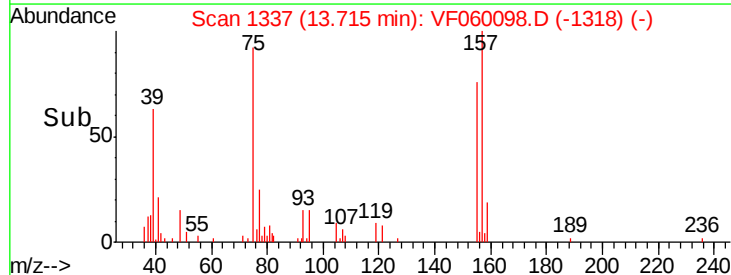
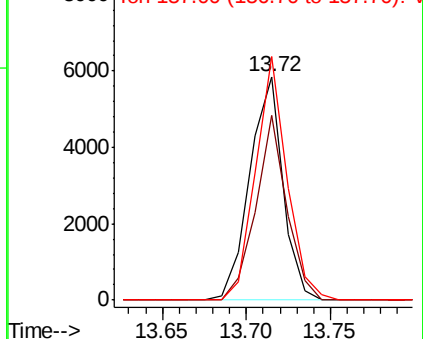


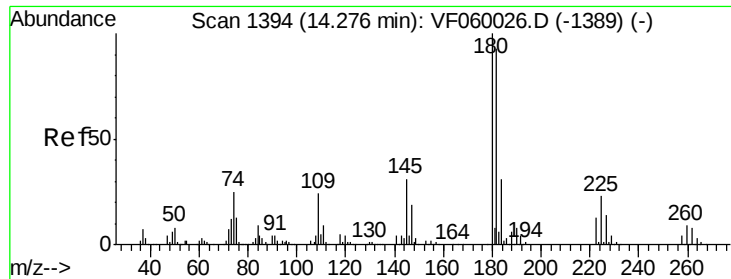
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





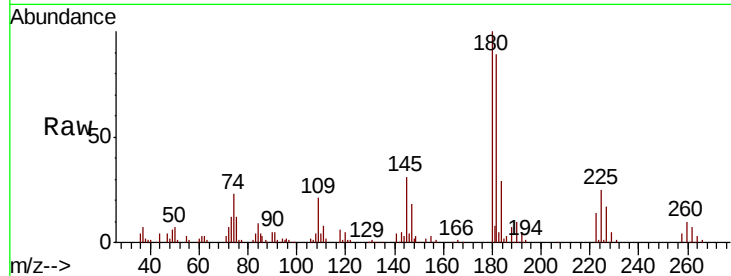
#93
 1,2,4-Trichlorobenzene
 Concen: 20.86 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.7	46.8	140.3
145	31.1	15.4	46.4

Manual Integrations
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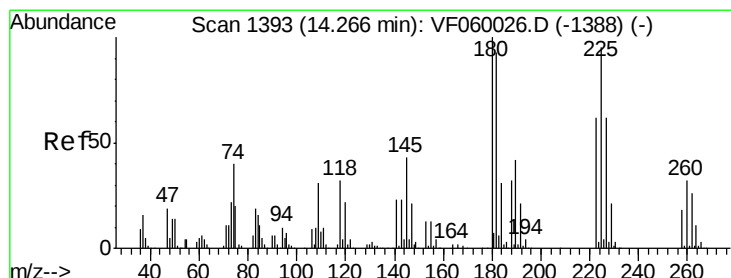
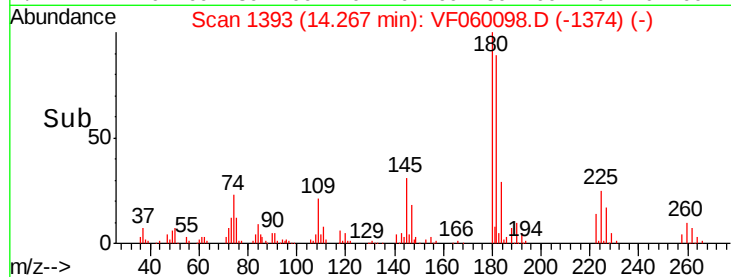
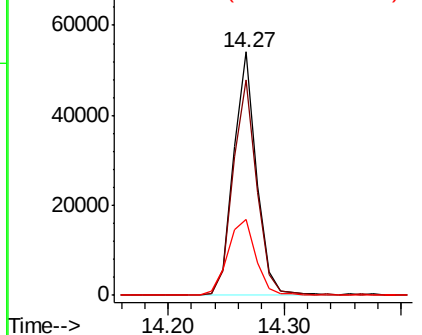


Abundance

Ion 180.00 (179.70 to 180.70): V

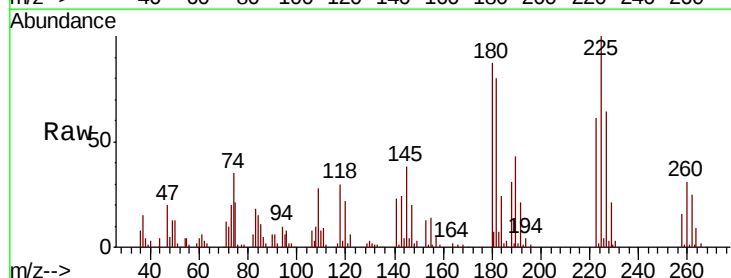
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 23.36 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	32.6	97.8
227	64.1	33.0	98.9

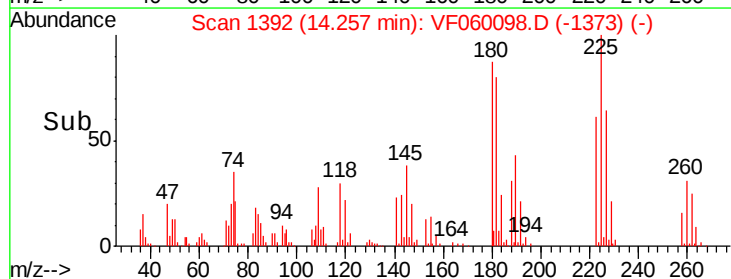
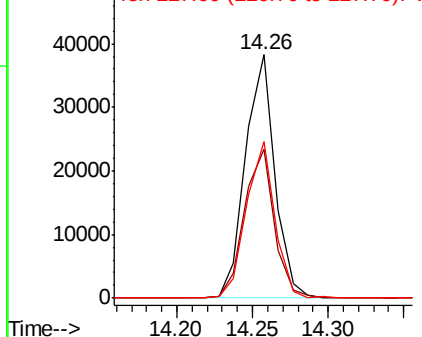


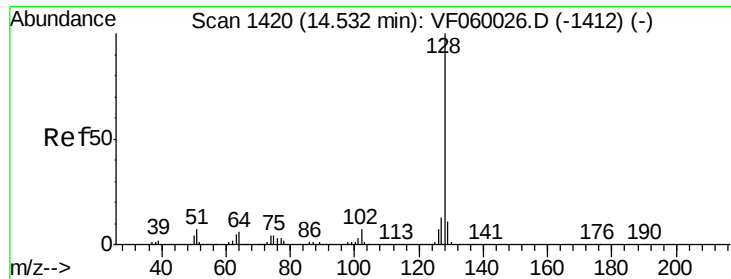
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 15.15 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

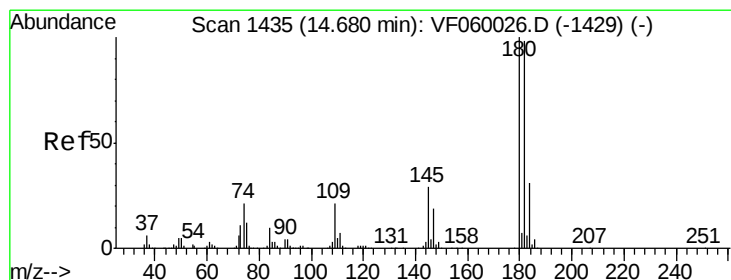
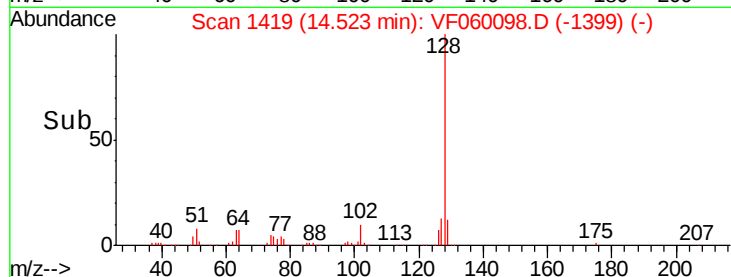
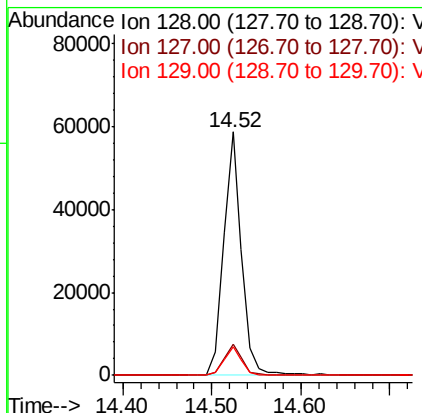
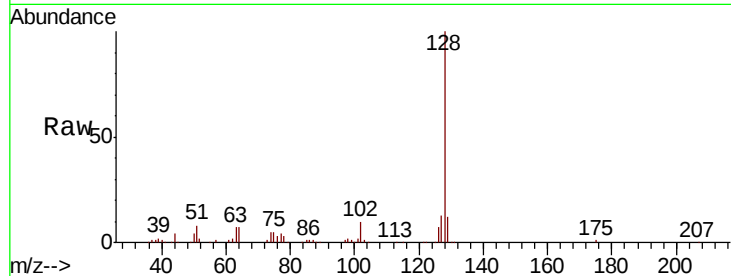
ClientSampleId :

VF0824SBS01

Tot Ion:	128	Resp:	83317
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	12.0	8.5	12.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.41 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tgt Ion:	180	Resp:	65945
Ion Ratio	Lower	Upper	
180	100		
182	92.0	49.0	147.2
145	30.2	14.4	43.2

